



List of meeting materials

Phase 2 Working Group Meeting #12

Monday, April 25, 6:00 pm
Cape Henlopen High School Library and Zoom

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Agenda

Phase 2 Working Group Meeting #12

Monday, April 25, 2022, 6:00 pm

Hybrid Meeting

Cape Henlopen High School Library & Zoom

1. Introduction
 - Welcome and introductions
 - Summary of notebook materials
 - Approval of January 31, 2022 meeting minutes
2. Update on CTP Projects in the Five Points Area
3. Area Project Updates
 - New Road Improvements
 - Bike Program/Local Systems Improvements Update
 - DTC Updates on Summer Operations
4. DeIDOT App Overview
5. Phase 2 implementation status
 - 2021 annual report
 - Overall status update
6. Public comment
7. Adjourn



Phase 2

Working Group Meeting #12

April 25, 2022

- **Introduction**
- **Update on CTP Projects in the Five Points Area**
- **Area Project Updates**
- **DeIDOT App Overview**
- **Phase 2 Implementation Status**
- **Public Comment**

How to raise your hand

- **For Working Group members:**

- If you are on Zoom on your computer or tablet, click on “Raise Hand” at the bottom of your screen as shown below.
- If you are on your phone, raise your hand by pressing *9.



Introduction

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- **Introductions**
- **Summary of notebook materials**
 - Agenda
 - Presentation
 - Draft minutes of January 31, 2022 Working Group meeting
 - List of upcoming meetings
 - Updated implementation plan
 - Annual Report
- **Approval of January 31, 2022 meeting minutes**

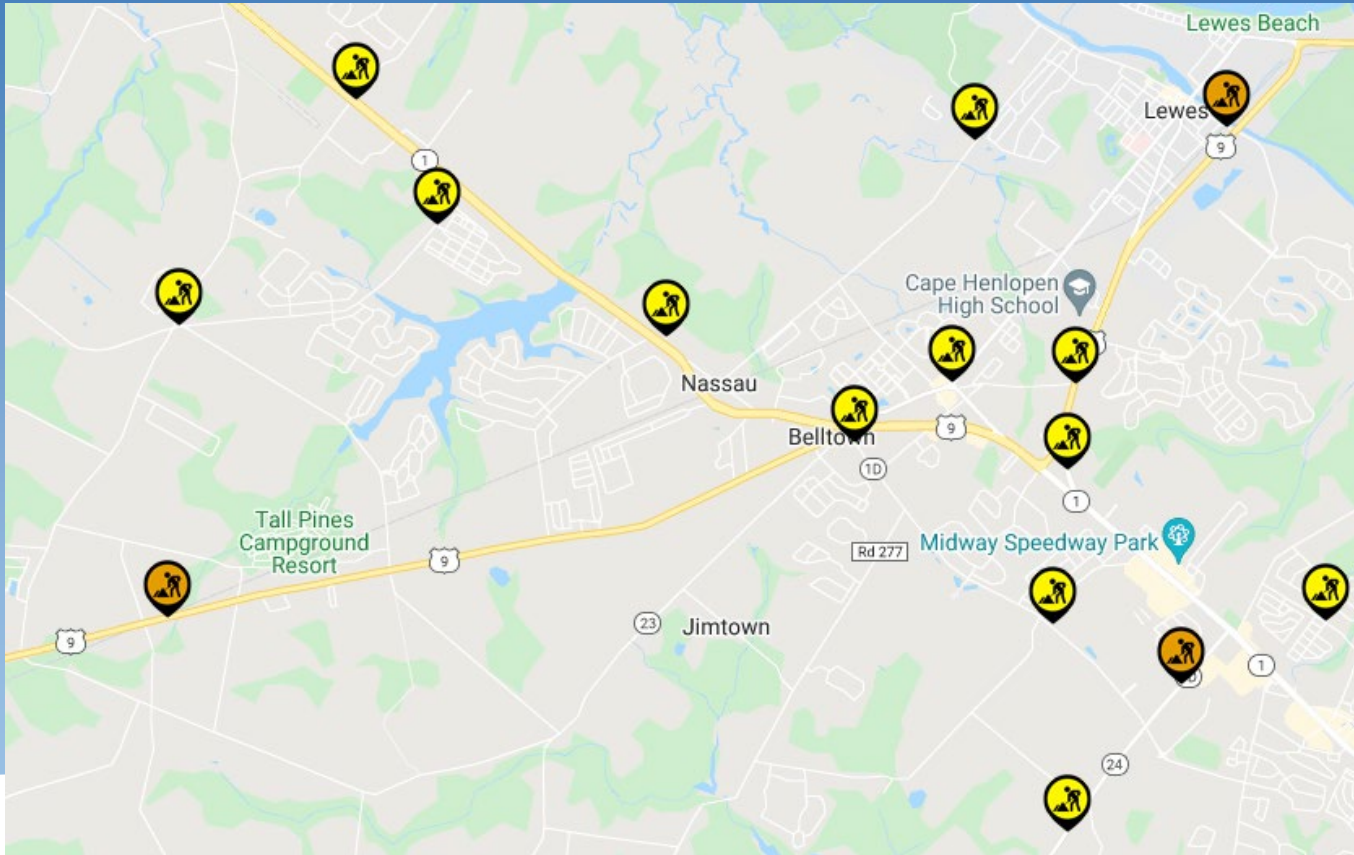
Update on CTP Projects in the Five Points Area



**Regional
Systems
Planning**



FIVE POINTS TRANSPORTATION STUDY



**Regional
Systems
Planning**



Savannah Road Sidewalk Improvements

- **Project Description:** Improvements include sidewalk, curbing, curb ramps and improved signage along Savannah Road between Quaker Road and the Georgetown to Lewes Trail.
- **Project Phase:** Construction
- **Projected Construction Completion:** Spring 2022
- **Project Update:** Construction began in November 2021. Final paving is scheduled within the next month.

Update on CTP Projects

Design/Right of Way

SR 24, Love Creek to Mulberry Knoll

- **Project Description:** Project will involve safety, operational and capacity improvements on SR24 from Love Creek to Mulberry Knoll. Dualization of SR 24 will extend to west of the school entrances.
- **Project Phase:** Design/Right of Way
- **Projected Construction Completion:** 2023
- **Project Update:** Design is complete. Right of way acquisition began in the fall of 2019 and is nearly complete. Advanced utility work began in March 2022 and will continue through the rest of 2022. Road construction is scheduled to begin in March 2023.

Coastal Highway Intersection Improvements

- **Project Description:** This project has 3 locations
 - **Location 1** - The intersection of US 9 and SR 1 (Five Points). This project will make geometric modifications to the intersection to allow a U-Turn to be made from Southbound SR 1 to Northbound SR 1.
 - **Location 2** - The intersection of SR 1 and Kings Highway. This project will make geometric modifications to the right turn from Northbound SR 1 onto Kings Highway in order to slow vehicular speeds to allow for a safer crossing for pedestrians and cyclists.
 - **Location 3** - The intersection of SR 1 and Old Landing Road. This project will extend the Southbound SR 1 U-Turn at Old Landing Road by converting the existing double left-turn lanes at Rehoboth Mall Blvd into one left turn lane.

Coastal Highway Intersection Improvements (cont.)

- **Project Phase:** Design
- **Projected Construction Completion:** Spring 2023
- **Project Update:** Design is underway. Construction will be underway early in 2023 and is anticipated to be complete prior to Summer 2023.

Update on CTP Projects

Design/Right of Way

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Plantation Road Improvements, Robinsonville Road to US 9 (Phase 1)

- **Project Description:** Provide intersection safety improvements, pedestrian/bicycle improvements and realignment of the Plantation/Beaver Dam/US 9 intersection.
- **Project Phase:** Design/Right of Way
- **Projected Construction Completion:** 2024
- **Project Update:** Design and right-of-way acquisition are progressing. Community outreach is ongoing. Construction is anticipated to begin in 2022.

Update on CTP Projects

Design/Right of Way

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Realignment of Old Orchard Road at Wescoats Corner

- **Project Description:** Realign Old Orchard Road to intersect Savannah Road at its intersection with Wescoats Road. The intersection of Wescoats Road and Clay Road will also be improved. Pedestrian and bicycle facilities will be incorporated throughout the project.
- **Project Phase:** Design/Right of Way
- **Projected Construction Completion:** 2025
- **Project Update:** Design is progressing and right-of-way acquisition is underway. Advanced utility relocation work is anticipated to begin in 2023.

Cave Neck Road, Hudson and Sweetbriar Roads Intersection Improvement

- **Project Phase:** Design
- **Projected Construction Completion:** 2025
- **Project Update:** Design is underway. A virtual public workshop was held November 16, 2021 to present alternatives. Based on community feedback, the single roundabout is the selected alternative and the website is being updated with the updated concept. Right of way acquisition will be underway in late 2022.

Update on CTP Projects

Design/Right of Way

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SR 1, Minos Conaway Road Grade Separated Intersection

- **Project Description:** This project provides a grade separated intersection to separate through movements along SR 1 and turning movements to and from Minos Conaway Road, Nassau Road and Old Mill Road. A shared use path would also be constructed to accommodate pedestrians and bicyclists.
- **Project Phase:** Design/Right of Way
- **Projected Construction Completion:** 2026
- **Project Update:** Design and right-of-way acquisition is ongoing. We are continuing to meet with area residents and business owners. Construction is anticipated to start in late 2023.

SR1 and Cave Neck Road Grade Separated Intersection

- **Project Description:** This project includes the construction of a grade separated intersection at SR1 and Cave Neck Road.
- **Project Phase:** Design
- **Projected Construction Completion:** 2026
- **Project Update:** Design is underway. Right of way acquisition will begin later in 2023.

US 9, Kings Highway, Dartmouth Drive to Freeman Highway

- **Project Description:** This project consists of widening Kings Highway from Dartmouth Drive to the split with Freeman Highway. The project includes intersection reconstruction, multimodal upgrades (shared use path and sidewalks) throughout the project limits, and integration of the Kings Highway and Gills Neck Road Master Plan.
- **Project Phase:** Design
- **Projected Construction Completion:** 2028
- **Project Update:** Conceptual design is underway. A virtual public workshop was held on February 23. We are reviewing comments, holding meetings with stakeholders and plan to hold another workshop this summer.

Plantation Road Improvements, SR 24 to Robinsonville Road (Phase 2)

- **Project Description:** The project consists of operational improvements including turn lanes and other intersection modifications, median turn lanes for residential entrances, and bicycle and pedestrian facilities throughout the corridor. Phase 2 of this project begins near the intersection of Plantations Road and Shady Road/Salt Marsh Blvd and ends north of the intersection of Plantation Road and SR 24. An estimated 41 parcels will be impacted by this project.
- **Project Phase:** Design
- **Projected Construction Completion:** TBD
- **Project Update:** Based on recommendations from the Five Points Working Group, we are analyzing the benefits and impacts of constructing a four-lane section for Phase 2. Once the study is complete we will update the design and construction schedule.

Area Project Updates

Area Project Updates

- **New Road Improvements**
- **Bike Program/Local Systems Improvements Update**
 - Georgetown-Lewes Trail
 - Bicycle Safety Checkpoints
- **DART Summer Operations**

Area Project Updates

NEW ROAD BRIDGE REPLACEMENT AND ROADWAY IMPROVEMENTS



Whitman, Requardt & Associates, LLP

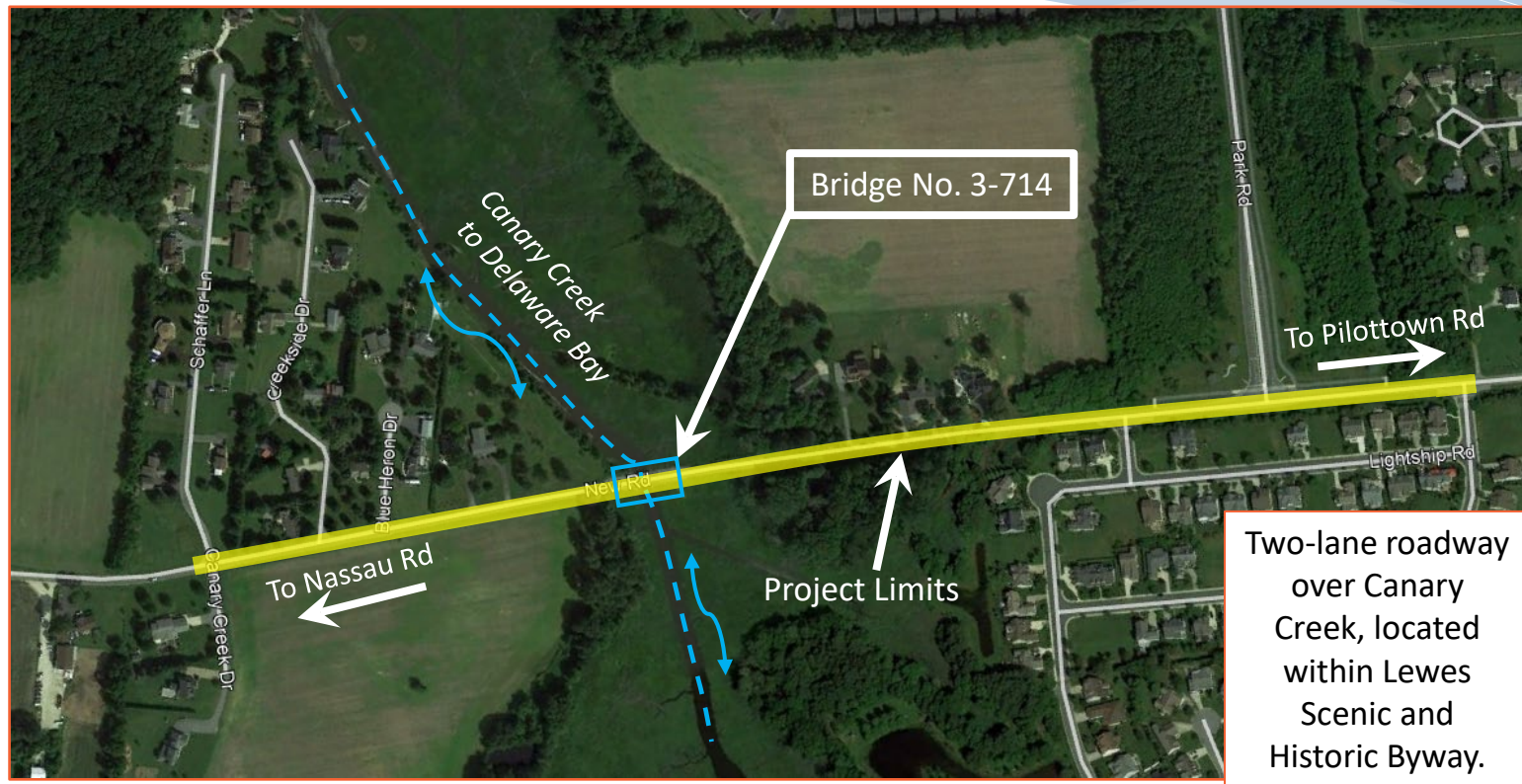
Engineers · Architects · Environmental Planners

Est. 1915

New Road Bridge Replacement and Roadway Improvements

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PROJECT OVERVIEW



New Road Bridge Replacement and Roadway Improvements

22

PROJECT GOALS

- Minimize roadway flooding along New Road
- Design and construct a cost-effective bridge replacement
- Develop and design a new roadway profile
- Construct roadway section that meets state and federal criteria
- Minimize impacts to adjacent properties
- Shorten construction duration to minimize traffic impacts
- Develop a design consistent with the 2015 *Lewes Scenic and Historic Byway Corridor Management Plan* and 2019 draft *New Road Master Plan*

New Road Bridge Replacement and Roadway Improvements

23

Predicted Floodplain Boundary for the 100-year Tidal Storm Surge

Existing Condition:

The 100-year flood overtops New Road and Bridge No. 3-714.



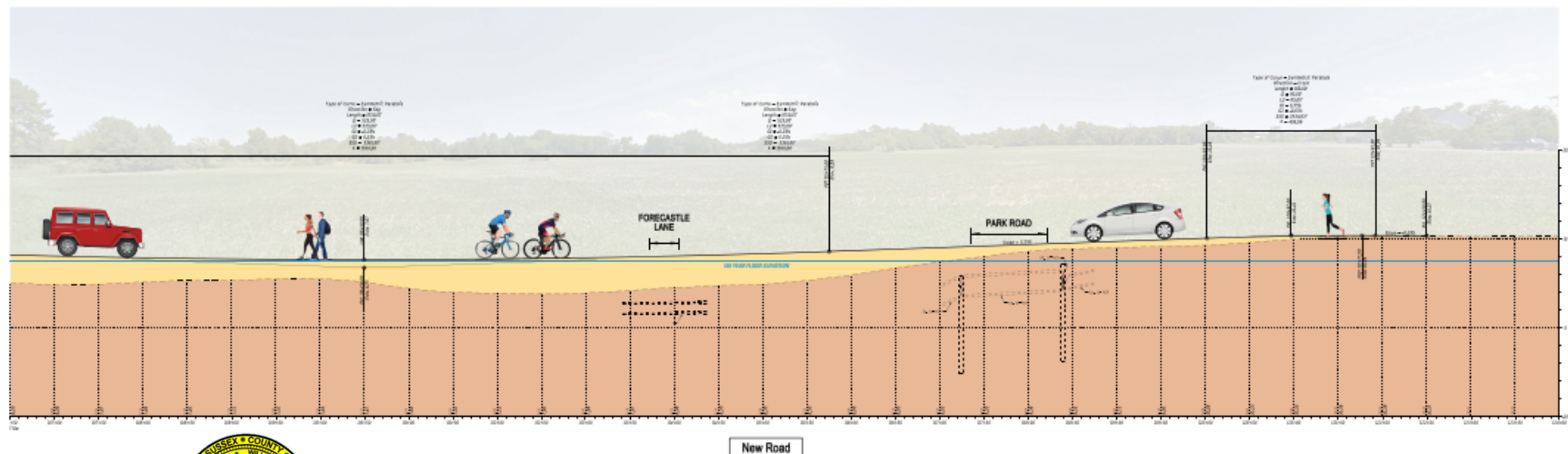
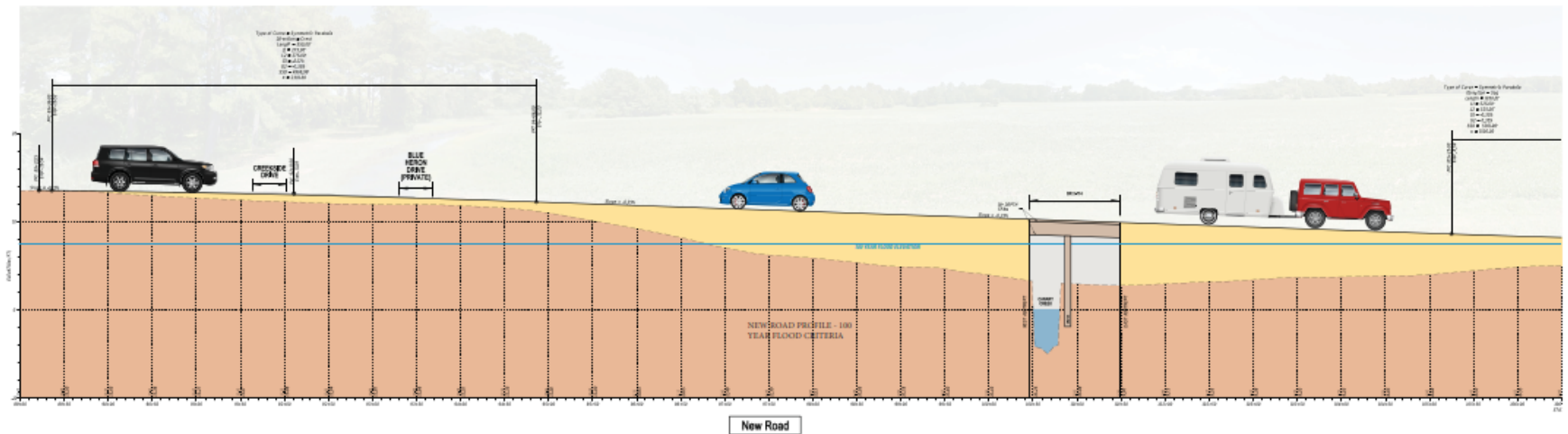
Proposed Condition:
No increase in 100-year flooding because the 100-year water surface elevation is not changed.



New Road Bridge Replacement and Roadway Improvements

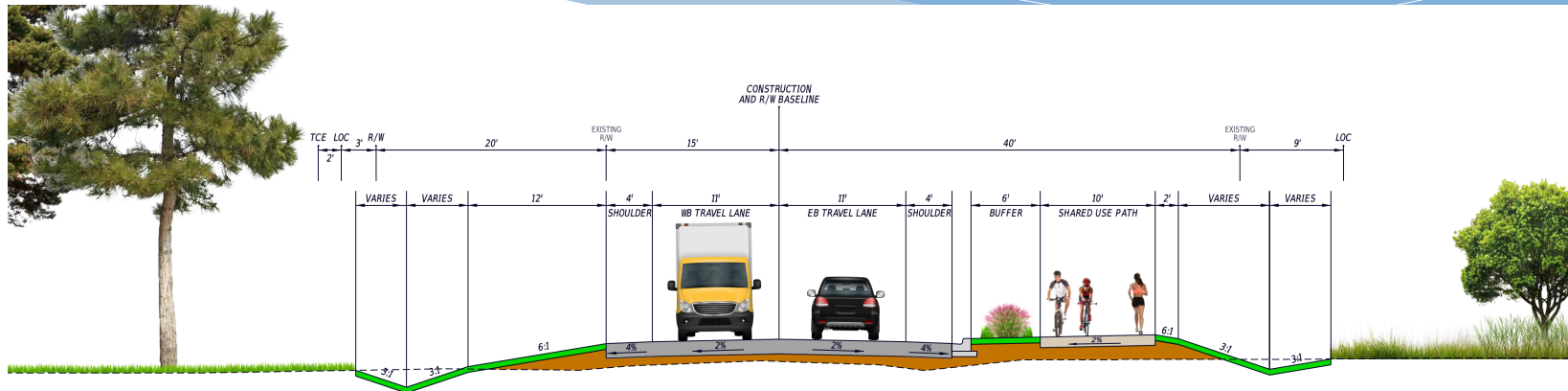
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NEW ROAD PROFILE - 100 YEAR FLOOD CRITERIA

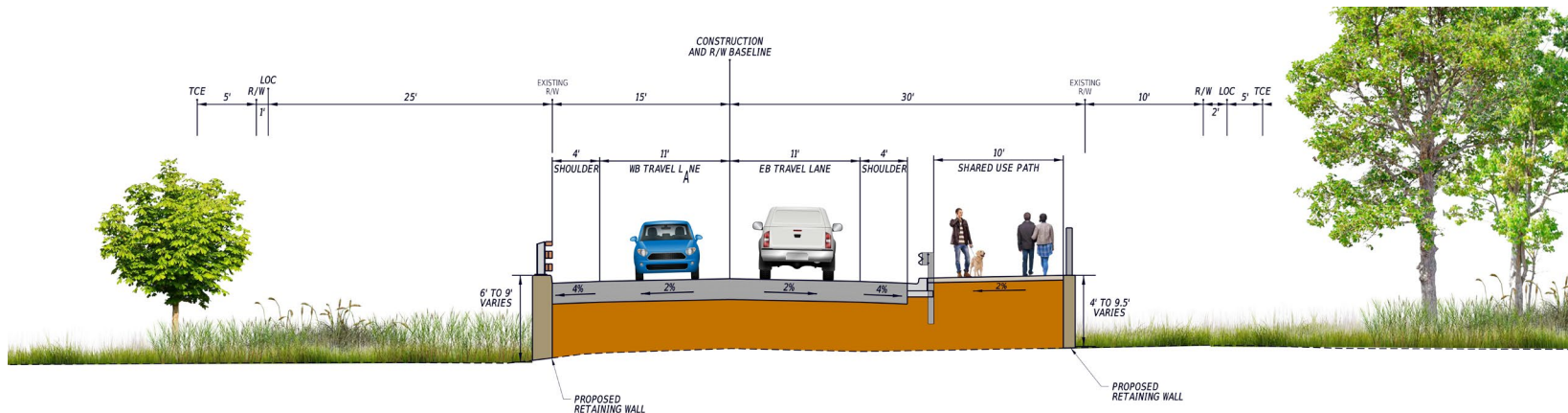


New Road Bridge Replacement and Roadway Improvements

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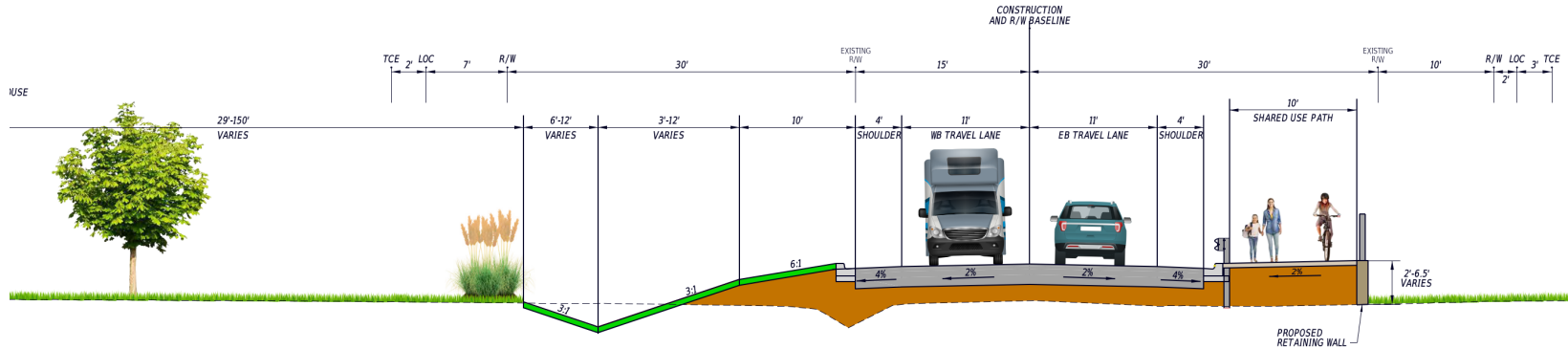
TYPICAL SECTION 1: SCHAFER LANE LOOKING EAST TOWARD BRIDGE



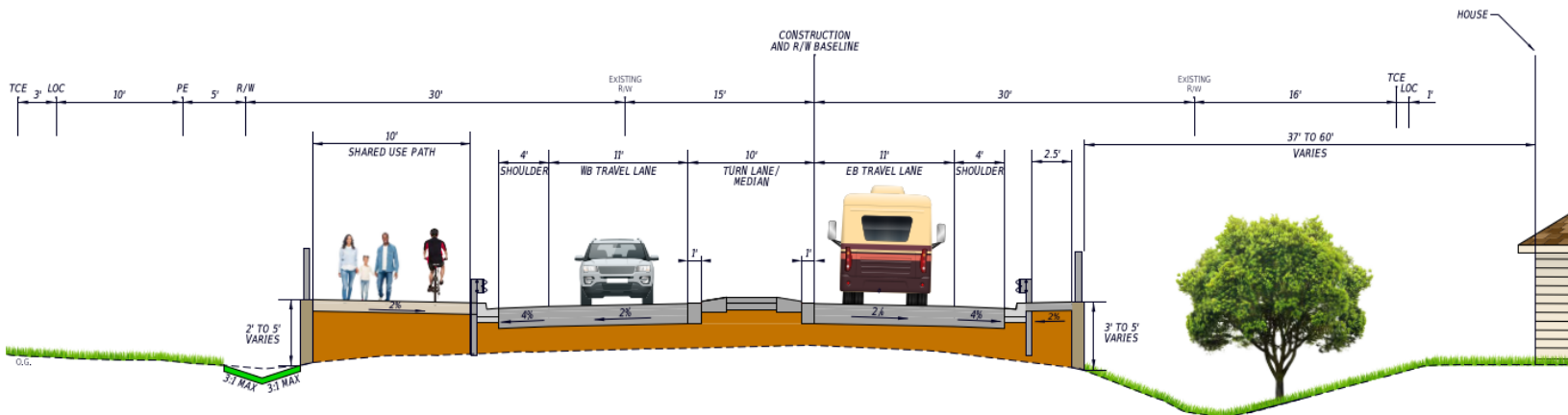
TYPICAL SECTION 2: BRIDGE APPROACHES

New Road Bridge Replacement and Roadway Improvements

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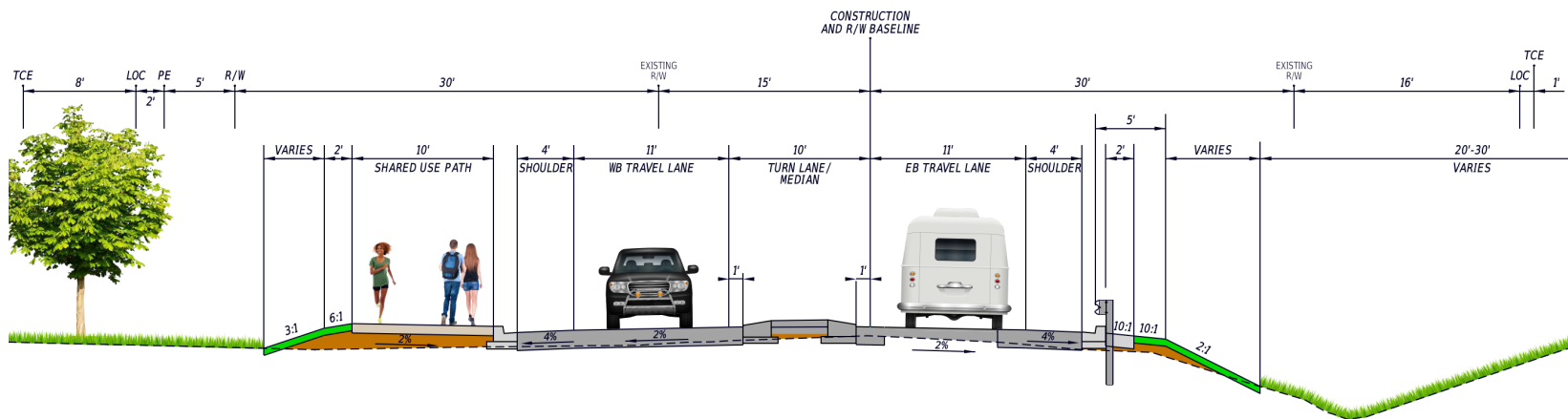
TYPICAL SECTION 3: BRIDGE LOOKING EAST TOWARD SHARED-USE PATH CROSSING



TYPICAL SECTION 4: SHARED-USE PATH CROSSING LOOKING EAST TOWARD PARK ROAD

New Road Bridge Replacement and Roadway Improvements

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TYPICAL SECTION 5: PARK ROAD LOOKING EAST TOWARD CAPTAINS CIRCLE

New Road Bridge Replacement and Roadway Improvements

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STRUCTURAL DESIGN

- **Replace existing bridge with two-span concrete slab beam bridge**
 - Shared use path widens from 10'-0" wide on approaches to 15'-6" on bridge for watershed viewing, fishing, etc.
- **Retaining walls along approaches**
 - Raised roadway will be supported by retaining walls when grading is impractical.
 - Walls to include form liner aesthetic treatment.

New Road Bridge Replacement and Roadway Improvements

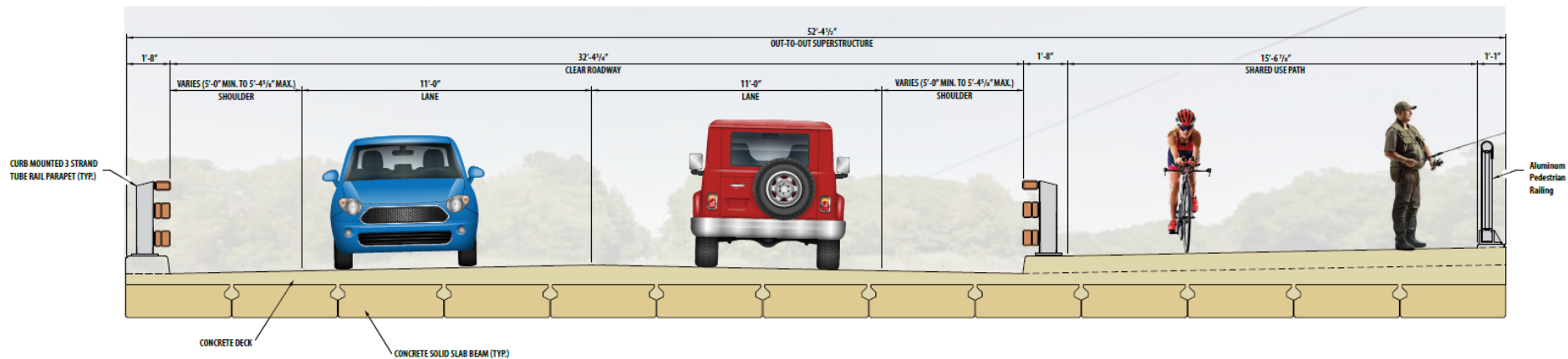
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Proposed Bridge No. 3-714 Elevation



New Road Bridge Replacement and Roadway Improvements

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TYPICAL BRIDGE SECTION (LOOKING EAST)

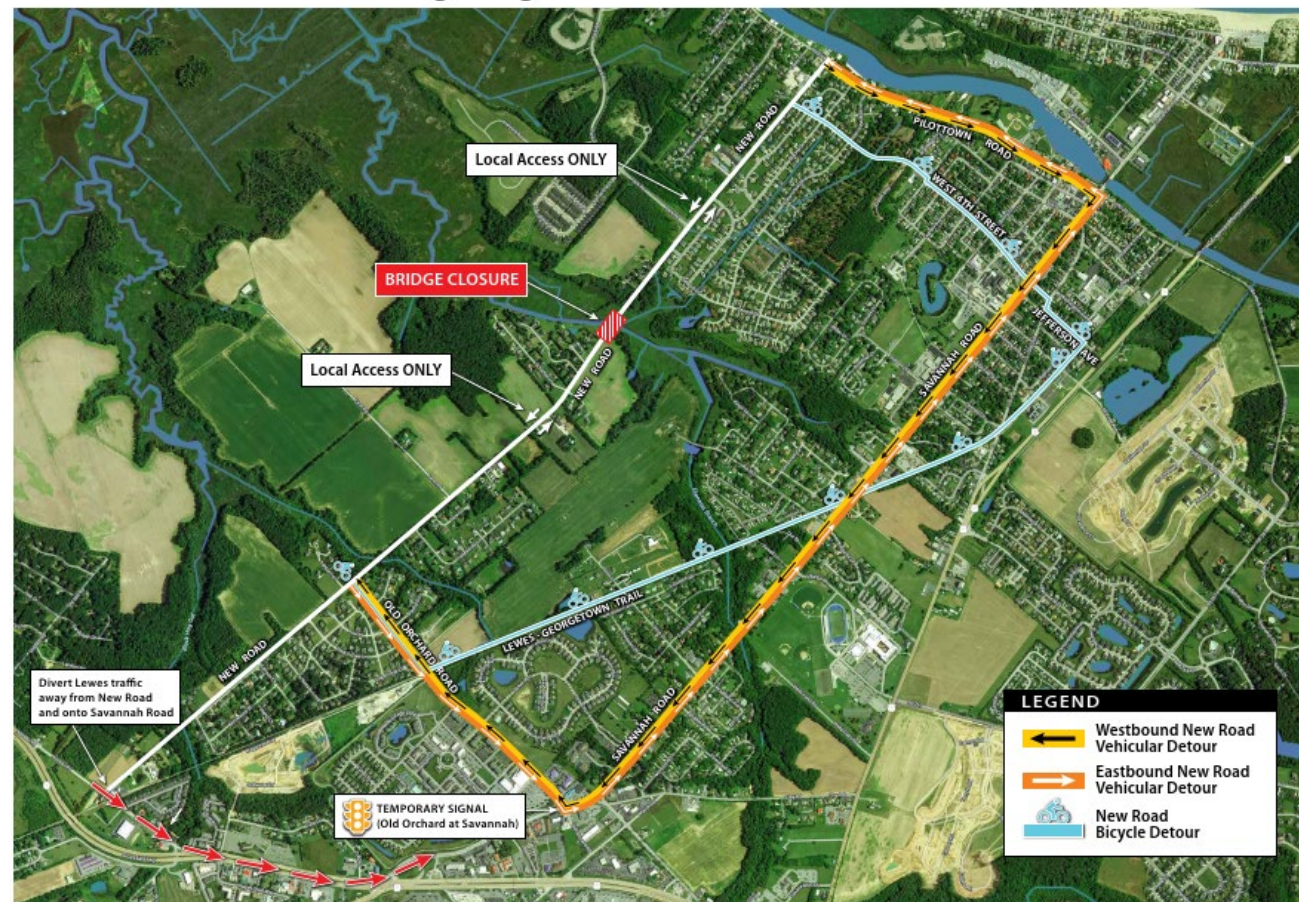
New Road Bridge Replacement and Roadway Improvements

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TRAFFIC DETOUR

- Construction to take place under full closure of New Road
 - Estimated duration: 7 months
 - Temporary traffic signal at Old Orchard Road and Savannah Road
 - Bike detour route also to be provided

Planned Detour Routes During Bridge Closure



New Road Bridge Replacement and Roadway Improvements

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Proposed Shared Use Path Crossing



New Road Bridge Replacement and Roadway Improvements

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Flyover Video

New Road Bridge Replacement and Roadway Improvements

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WHAT'S NEXT...

- **Complete Contract Documents**
- **Advertise for Competitive Bidding**
- **Schedule**
 - Right-of-Way Acquisition – Ongoing
 - Competitive Bidding – Fall 2023
 - Notice to Proceed – Spring 2024
 - Start Construction – Fall 2024
 - Project Completion – Spring 2025



FIVE POINTS
TRANSPORTATION STUDY

Area Project Updates

Bike Program/ Local Systems Improvements Update



**Regional
Systems
Planning**



Georgetown to Lewes Trail



Phase 1 of the Georgetown to Lewes Trail opened in October 2016 creating a safe alternate mode of transportation for both bicyclists and pedestrians from Gills Neck Road to Savannah Road in Lewes. Additional phases followed, which extended the trail from Savannah Road to Cool Spring Road.

Georgetown to Lewes Trail

In November 2021, Phase 8 of the Georgetown to Lewes Trail was completed, that included the construction of a 10' wide shared-use path approximately 1-mile in length from the Georgetown Little League Park to Airport Road along the north side of the existing active railroad line.



Georgetown to Lewes Trail



The Georgetown to Lewes Trail is now approximately 8 miles in length, with additional phases remaining. Once complete the multi-modal pathway will be 16.9-miles between Georgetown to Lewes. Just think, one day you could begin in Georgetown and take a separate non-motorized facility to Rehoboth Beach and not have to ride on a roadway.

Georgetown to Lewes Trail

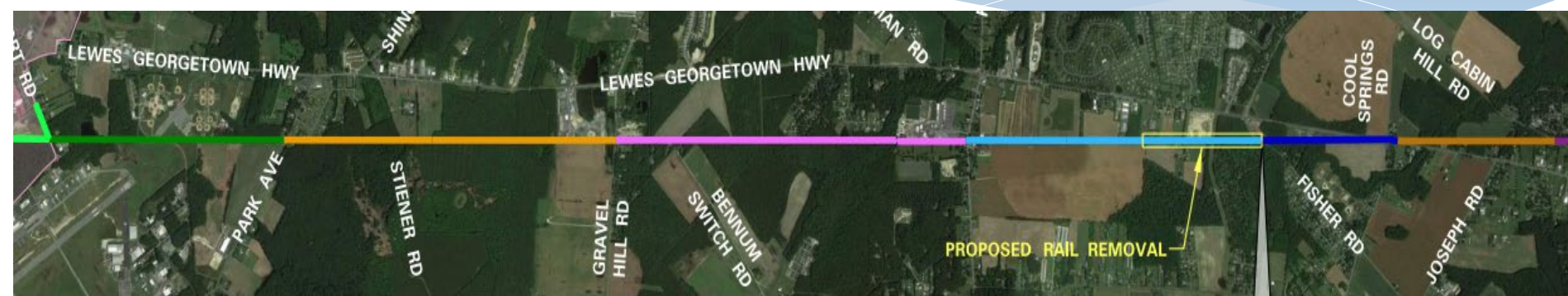
What is next?

Cool Spring Road to Fisher Road

This will extend the Georgetown to Lewes Trail from Cool Spring Road to Fisher Road. The trail will be constructed along the north side of SR 9 and cross at the Fisher Road signal and connect back to the railroad corridor. It will also include a connection to the proposed Stephen P. Hudson Park on the corner of SR 9 and Cool Spring which will be managed by the Sussex Land Trust. The project is to begin construction in May 2022 and completion is anticipated in August 2022.

Georgetown to Lewes Trail

What is left?



The remaining phases are shown between Fisher Road and Airport Road. Congestion Mitigation and Air Quality (CMAQ) funding will be used to design the trail between Fisher Road to Airport Road. The design is expected to be completed by November 2023.

Georgetown to Lewes Trail

What has happened since?



Since it's grand opening in 2016, the Department continues making enhancements along the trail, which includes the following:

- 2019 – Enhanced signage at road crossings to alert both motorists and bicyclists of potential oncoming traffic.
- 2020 – Installed mile markers along the trail from Gills Neck Road to Cool Spring Road to assist first responders in the event someone needs assistance. Additional mile markers will be added as the trail extends westward.



Georgetown to Lewes Trail



Minos Conaway Rd.

- 2022 - Installed a Rectangular Rapid Flashing Beacon (RRFB) at the Sweetbriar crossing to alert motorists of approaching bicycle traffic on the trail.
- 2022 - Will be installing street blades at state-maintained road crossings in order to assist residents and vacationers what road is being crossed so they have an idea of where they are located. Completion is anticipated by the end of the Summer.

Georgetown to Lewes Trail



Additionally in June 2021, the Junction-Breakwater low-stress multi-modal connection into the City of Rehoboth Beach was completed. This connection features the state's largest bike box, which allow bicyclists who want to turn left to move to the front of queuing traffic at the signal so they can safely make left turns. DelDOT will be producing a bicycle safety video on how to use bike boxes throughout the state. Completion is anticipated by this Memorial Day.

Bicycle Safety Checkpoints

The bicycle safety checkpoints is a partnership between DelDOT, Sussex Cyclists, Delaware State Police and the Delaware Bicycle Council to help promote bicycle safety for residents, tourists, and the international students who arrive to the beach resort areas as seasonal workers. These safety checkpoints provide an opportunity to educate state's bicycling laws, the rules of the road and provide safety information. All events are free and include basic bike repairs (tire pressure checks, and seat and handlebar adjustments), installation of bicycle lights, and provide bicycle helmets for those who need them. DelDOT bicycle mechanics will be on hand to perform major repairs if necessary.



Bicycle Safety Checkpoints

For additional information;

Contact: John T. Fiori, Bicycle Coordinator

E-mail: john.fiori@delaware.gov

Phone #: (302) 760-2260

Link: <http://deldot.gov/Programs/bike>

2022 Resort Bicycle Safety Checkpoint Schedule

Link: <http://deldot.gov/Programs/bike>

1.	Thursday, June 2 nd	Nike Outlet	4:00 PM - 7:00 PM
2.	Thursday, June 9 th	Nike Outlet	4:00 PM - 7:00 PM
3.	Thursday, June 16 th	Nike Outlet	4:00 PM - 7:00 PM
4.	Thursday, June 23 rd	Nike Outlet	4:00 PM - 7:00 PM
5.	Thursday, June 30 th	Nike Outlet	4:00 PM - 7:00 PM
6.	Thursday, June 25 th	Nike Outlet	4:00 PM - 7:00 PM
7.	Thursday, July 7 th	Nike Outlet	4:00 PM - 7:00 PM
8.	Thursday, July 14 th	Nike Outlet	4:00 PM - 7:00 PM
9.	Thursday, July 21 st	Nike Outlet	4:00 PM - 7:00 PM
10.	Thursday, July 28 th	Nike Outlet	4:00 PM - 7:00 PM
11.	Thursday August 4 th	Nike Outlet	4:00 PM - 7:00 PM



FIVE POINTS
TRANSPORTATION STUDY

2022 BICYCLE FRIENDLY STATE



**BICYCLE FRIENDLY
STATE** REPORT CARD

DELAWARE

#9 NATIONAL
RANK
(OF 50)



**Regional
Systems
Planning**



Area Project Updates

DART Summer Operations



**Regional
Systems
Planning**



DART Beach Bus

- May 23 through September 11, 2022
- Parking
- Fares
- DART Apps



DART Pass
Mobile fare payment



DART Transit
Real Time Bus Information



DeIDOT App Overview

DeIDOT App Overview

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Download the DeIDOT App

Recently Added Features:



EV Charge Stations
See What's New!



Report an Issue
See What's New!



DMV Home Screen
See What's New!

Popular Features:



Travel Map



DART



Projects



<https://deldot.gov/mobile/>

DeIDOT App Overview

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Live Demo

tmc.deldot.gov/datamap/

How to report an issue

1. Through the DeIDOT App, select “Report an Issue”
2. 24 Hour Transportation Management Center (TMC)
 - Call 302-659-4600 or 800-324-8979
 - From a cell phone, call #77 from anywhere in Delaware
 - Email at TMC1@delaware.gov



Report an Issue
See What's New!



FIVE POINTS TRANSPORTATION STUDY

Phase 2 Implementation Plan Update

FIVE POINTS TRANSPORTATION STUDY IMPLEMENTATION PLAN STATUS REPORT

January 31, 2022 (red text indicates changes since October 25, 2021 Working Group meeting)

\$ < \$200K * <3 years 0 Low
 \$\$ \$200K - \$2M ** 3-10 years 0 0 Medium
 \$\$\$ \$2M - \$20M *** >10 years 0 0 0 High
 \$\$\$\$ \$20M - \$200M
 \$\$\$\$\$ > \$200M

Category	ID	Priority	Old idea no.	Working Group recommendation	Assumed lead agency	Other responsible parties (if any)	Study cost	Study timeframe	Imp. cost	Imp. timeframe	Imp. impacts	Status	Remarks
B. Implement policies and procedures to make the area more efficient, sustainable, and beautiful													
B	1	Y	34	Require new developments to plan for interconnections to any future development areas and monitor to ensure implementation	Sussex County	DeDOT	\$	*	N/A	N/A	N/A	ONGOING	All subdivision applications are subject to pre-application meetings. Where the potential for interconnectivity to undeveloped parcels is identified, this is discussed with developers prior to application submittal.
B	2	Y	86	Consider modifications to land development requirements and/or the Development Coordination Manual that require additional buffers/setbacks for all new developments for future road expansion	Sussex County	DeDOT	\$	*	N/A	N/A	N/A	IN PROGRESS	In 2020, the Sussex County Planning & Zoning Commission discussed a potential future revision to the Zoning Code to clarify the maximum extent to which parking may be permitted in the front yard setback. DeDOT updated the Development Coordination Manual to require greater width along principal arterials. Sussex County's east-west roads are not principal arterials except Route 16/606. Changing right-of-way requirements on other road classifications would require another update to the DCM. DeDOT is currently updating Chapter 2 of the DCM - Traffic Studies, Chapter 3 deals with Right of Way. That update is not yet underway. The DCM is in the Strategic Highway Safety Plan (Strategy 5.2 Revise DeDOT's Development Coordination Manual to require additional pedestrian infrastructure improvements related to new developments).
B	3	Y	4	Study the feasibility and anticipated effectiveness of modifying signage, starting in Milford, to encourage through drivers (to point outside the Route 1 corridor between Lewes and Dewey Beach) to use Route 113, Route 5, Route 23, etc.	DeDOT - Traffic	Private partner(s) such as Waze	\$	*	\$\$	*	0	COMPLETE	An additional sign was installed on southbound SR 1 south of Thompsonville Road to identify municipal destinations and distances. Anticipated effectiveness of guide signs is decreasing as more and more people rely on GPS/route guidance systems. Travel time message are now displayed on these variable message signs approaching the beach area. This information is also available on the DeDOT app.
B	4	Y	91	Improve advance acquisition process to allow DeDOT to more quickly acquire land needed for transportation improvements and acquire available (and within the Five Points Study Area (e.g., Creative Concepts))	General Assembly	DeDOT	\$	**	N/A	N/A	N/A	COMPLETE	New advance acquisition regulations were approved in 2018. Now proactive purchases will be feasible.
B	5	Y	50	Study the feasibility of converting the Arby's driveway between Route 1 and Savannah Road into a publicly-accessible road	DeDOT - Planning	DeDOT - Real Estate and PD South; property owners	\$	*	\$\$	**	0	IN PROGRESS	DeDOT negotiated a concept for connections through the Nicola Piza property. Sussex County approved the Nicola Piza site plan with the required language. Further progress on hold until Arby's comes up for development. Coordinate with B-1, C-12.
B	6	Y	14	Incorporate more walkable, bikeable, mixed-use town centers into the comprehensive plan	Sussex County		\$	*	N/A	N/A	N/A	Long-term	
B	7	Y	89	Continue TID studies both east and west of Route 1	DeDOT - Planning	Sussex County, City of Lewes	\$\$	*	TBD	TBD	TBD	COMPLETE	At its October 27, 2020 meeting, Sussex County Council approved the Henlopen TID agreement. The Henlopen TID recommendations are related to Five Points Recommendations A-6, A-7, C-1, C-3, C-7, C-19, E-2, and E-3. Because most available land on the east side of Route 1 has already been developed or approved for development, there is limited value to a TID in this area.



78 recommendations

Recommendations to be implemented under current DeIDOT projects or initiatives (7 recommendations)

Implement policies and procedures to make the area more efficient, sustainable and beautiful (8 priorities out of 27 recommendations)

Make the most of existing roadway infrastructure (8 priorities out of 20 recommendations)

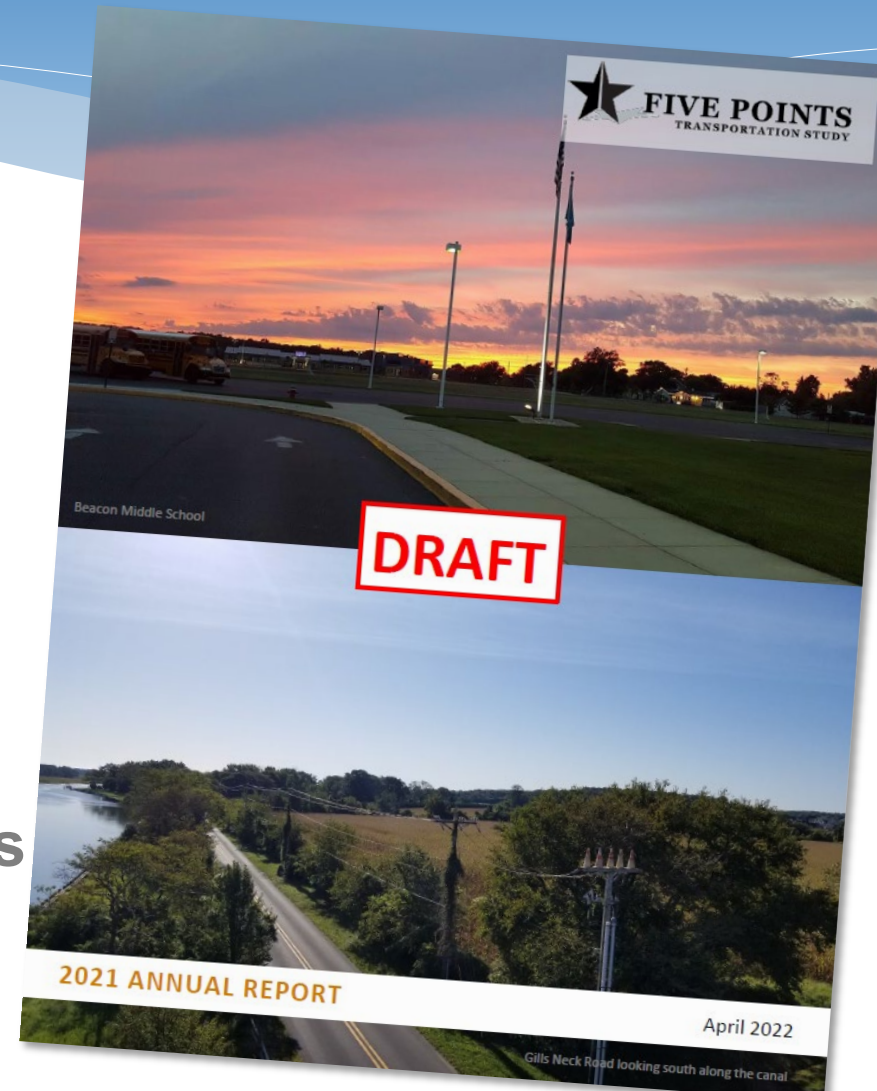
Make walking, bicycling, and transit more viable as alternatives to driving (5 priorities out of 15 recommendations)

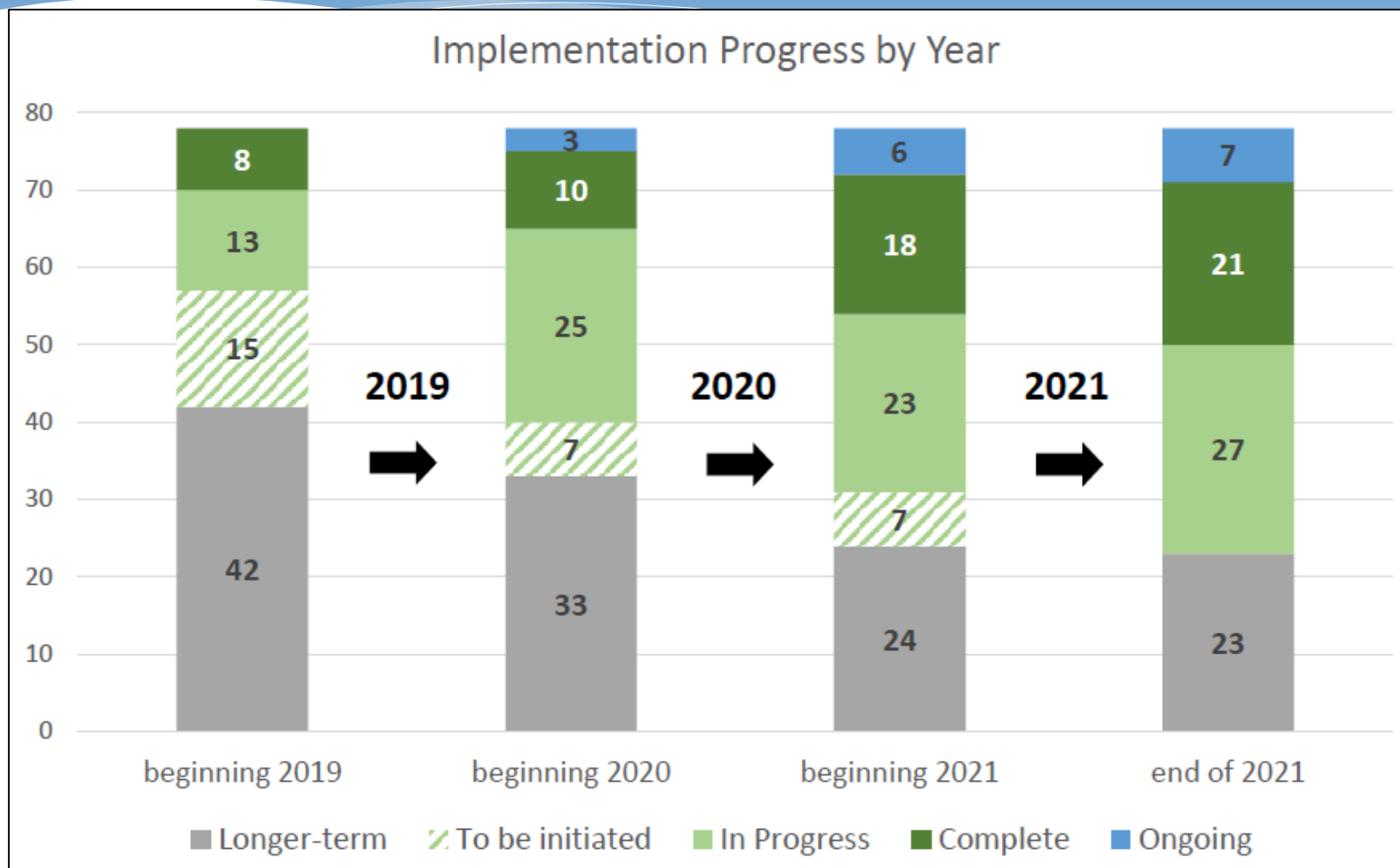
Invest in new infrastructure to support anticipated growth (3 priorities out of 9 recommendations)

2021 Annual Report

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- Describes implementation progress in 2021
- Describes status of all 78 recommendations as of the end of 2021
- Two opportunities will be held to review the report
 - Monday, May 9 at 6:00 pm *in person* at Cape Henlopen High School Library
 - Online video of workshop presentation and materials will be provided with a comment form





55 of 78 recommendations in progress, ongoing, or completed

- Compares to 54 of 78 at last meeting (October 2021)
- 1 Category B recommendation newly “In Progress”
- 3 recommendations COMPLETE since last meeting
- 1 recommendation changed from “In Progress” to “Ongoing”
- All five recommendations “To be initiated in 2021” were initiated in 2021
- 4 recommendations selected “To be initiated in 2022”

Current status (as of April 2022)

58

56 of 78 recommendations in progress, ongoing, or completed

- Compares to 55 of 78 at last meeting (January 2022)
- 1 Category B recommendation newly “In Progress”
- 3 recommendations selected “To be initiated in 2022”

Category A

59

being addressed by current DeIDOT projects and initiatives

Number of recommendations by status

Status	Jan 2022	Apr 2022	Change
COMPLETE	5	5	-
IN PROGRESS	2	2	-
Total A	7	7	-

Category B

Policies and procedures

60

Number of recommendations by status

Status	Jan 2022	April 2022	Change	
COMPLETE	5	5	-	
ONGOING	5	5	-	
IN PROGRESS	7	8	+1	
Initiate in 2022	1	0	-1	
Longer-term	9	9	-	
Total B	27	27	-	

- **B-8 –Study the feasibility of a parking management system to alert travelers when parking lots at major destinations are full**
 - DNREC is getting ready to update the entrance to Cape Henlopen State Park, and would like to explore adding automated counters for use in tracking parking occupancy.

- **B-10 – Endorse "don't block the box" legislation with camera enforcement**
 - Now in progress
 - Local legislators and DelDOT are drafting legislation

Category C

63

Make the most of existing roadway infrastructure

Number of recommendations by status

Status	Jan 2022	April 2022	Change	
COMPLETE	9	9	-	
ONGOING	2	2	-	
IN PROGRESS	5	5	-	
Initiate in 2022	1	1	-	
Longer-term	3	3	-	
Total C	20	20	-	

- **C-16 – Study the feasibility of providing driveway access from Beacon Middle School and Love Creek Elementary School onto Mulberry Knoll Road**
 - To be initiated in 2022
 - Revisit reasons behind the original school site access plans
 - Consult with Cape Henlopen School District

Category D

Walking, bicycling, and transit

65

Number of recommendations by status

Status	Jan 2022	April 2022	Change	
COMPLETE	2	2	-	
IN PROGRESS	10	10	-	
Initiate in 2022	1	1	-	
Longer-term	2	2	-	
Total D	15	15		

Category D progress

66

- **D-3 – Develop design guidance to separate pedestrians and bicyclists from highway traffic using aesthetic treatments**
 - To be Initiated in 2022

Category E

New infrastructure

67

Number of recommendations by status

Status	Jan 2022	April 2022	Change	
COMPLETE	0	0	-	
IN PROGRESS	3	3	-	
Initiate in 2022	1	1	-	
Longer-term	5	5	-	
Total E	9	9	-	



Regional
Systems
Planning



FIVE POINTS
TRANSPORTATION STUDY

- **E-4 – Evaluate the potential transportation benefits, costs, and impacts of a new road connecting Route 1 north of Five Points and the Vineyards**
 - To be Initiated in 2022
 - A new road connection would allow developments in the area to access the roadway network from more than just a single point
 - Needs to be investigated before new development closes off the possibilities

Phase 2 implementation plan

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- **Next steps**

- Continue work on recommendations
- Hold in-person public workshop on May 9, 2022 at Cape Henlopen High School Library
- Online video of workshop presentation and materials will be provided with a comment form
- Provide email progress updates in June and September
- Convene the Working Group in October

Public comment

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Thank you for your participation!

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Next meeting
October 24, 2022
6:00pm
Location TBD

Jenn Cinelli-Miller

Project Planner

Delaware Department of Transportation

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Meeting Minutes

Phase 2 Working Group Meeting #11

January 31, 2022, 6:00 pm
Online

Members present:

Kathi Coleman
Robert Fischer
Doug Hudson
Todd Lawson
Sen. Ernesto B. Lopez
Glenn Marshall
Carol Materniak
Mary Roth
Mark Schaeffer
Lloyd Schmitz
Rep. Peter Schwartzkopf
Pamela Steinebach
Kim Hoey Stevenson
Ann Marie Townshend
Michael Tyler

Members absent:

Josh Grabski
Scott Green
DJ Hughes
Carole Kohr
Rep. Steve Smyk
Gail Van Gilder

This was an online meeting. A quorum of 15 Working Group members attended.

Andrew Bing welcomed everyone, provided an overview of the agenda, and shared how attendees could use the online chat function to make comments or ask questions. He noted that the public would have the opportunity to comment at the end of the meeting.

Andrew welcomed new working group members Kathi Coleman from the Village of Five Points HOA, replacing Carole Kohr, and Mary Roth from Historic Lewes Byways, replacing Gail Van Gilder. Andrew also welcomed and introduced Pamela Steinebach, the new DelDOT Director of Planning and working group member. Pam providing an overview of her role and background at DelDOT.



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Andrew sought approval of the meeting minutes from the October 25, 2021 working group meeting. Sen. Ernesto B. Lopez made a motion to approve the meeting minutes, and Kim Hoey Stevenson seconded the motion. No one was opposed, and the meeting minutes were approved with the two new working group members abstaining.

Delaware Roundabouts

Andrew introduced project team member Leah Kacanda from WRA to make the presentation. Leah provided some background on her role at WRA and the Five Points consultant team. Leah gave an overview of roundabouts, including how they function, help traffic flow, and improve safety. She shared a diagram illustrating the improved safety of roundabouts compared to regular intersections because roundabouts have far fewer conflict points between users. Roundabouts are designed to accommodate trucks and other large vehicle movements using truck aprons.

Leah shared a diagram showing how roundabouts differ from traffic circles and why roundabouts are preferred. Kim Hoey Stevenson asked why there aren't more merge lanes in the circle so if someone is pulling off, the other driver has time to pull in. Leah explained that there are multi-lane, larger roundabouts that exist, but due to the lower traffic volumes in Sussex County, single lane roundabouts are generally sufficient. Kim said she asked this question because traffic in Georgetown really gets backed up and wanted to know if new roundabouts would help alleviate the congestion or make it worse. Todd Oliver from WRA explained that roundabouts are analyzed with existing and projected traffic conditions and volumes with a goal of alleviating traffic congestion.

Rep. Peter Schwartzkopf acknowledged the value in diagrams like the ones Leah shared and the impact it could have on the public if they were able to see how few conflict points there are and the safety level of roundabouts compared to regular intersections.

Robert Fischer said that there was an extended and mostly negative discussion of roundabouts on the Next Door social media platform that serves almost 3,000 families in the Five Points area. He recommended that a link to tonight's roundabout briefing on the DelDOT website should be posted specifically to the Next Door social group.

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Leah shared information on how to use roundabouts with a car, with a bicycle and as a pedestrian. Due to the design of roundabouts, they are safer for non-motorized users since speeds are already lower within roundabouts. Leah detailed how pedestrians can safely use crosswalks at roundabouts and advised that non-motorized users never attempt to cross to the center island. Robert Fischer asked Leah about right-of-way for pedestrians in roundabouts, asking if it was similar to crosswalks at regular intersections. Leah responded yes, cars must yield to pedestrians in the crosswalk. Leah listed the locations that are scheduled for roundabout construction in the Five Points area:

- Plantation Road
- Wescoats Road at Marsh Road
- Minos Conaway (three locations)
 - Nassau Road/New Road
 - Janice Road/New Road
 - Minos Conaway Road/Service Road A

Leah reiterated that intersections are evaluated for roundabouts on a case-by-case analysis of traffic flow and geometric design considerations including right-of-way, environmental impacts, drainage, and utility impacts. Leah shared that the DelDOT website has information on roundabouts and an interactive map showing the locations of all roundabouts in Delaware.

Shanté Hastings from DelDOT responded to questions that came in through the chat function:

- Why does the new roundabout at New Road and Lynn Road have a posted speed limit of 15 mph?
- Why does the private roundabout at the Village of Five Points have stop signs which defeats the purpose?

Regarding the 15 mph posted speed limit, Shanté responded that this is likely an advisory speed. Todd Oliver from WRA clarified that from a roadway design standpoint, the entry speed for roundabouts is typically designed for 15 to 25 mph, so when looking at the roadway cross slope and drainage and things that would affect how vehicles react at different speeds, you could have that 15 mph advisory speed.

Shanté noted that the Village of Five Points is a private community, and they are allowed to sign their roadways without DelDOT input. Stop signs at a roundabout are not something DelDOT would advise.

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Todd added that most roundabouts have an advance exit ramp for bikes to use so they can choose to exit the roundabout well in advance and not get stuck in a conflict zone. Most newer roundabouts are surrounded by 10' shared use paths rather than sidewalks. Pamela Steinbach added that in agricultural areas, DelDOT takes large farm vehicles into account when designing roundabouts.

Robert Fischer recommended that the Department of Motor Vehicles could provide some information or training materials on how drivers should properly navigate roundabouts.

The project team addressed questions that came in through the Q&A chat function.

- Donna West asked who is building these roundabouts. Todd Oliver responded that there could be three different entities building roundabouts. If it is a capital project, construction is the responsibility of a roadway contractor with oversight by DelDOT construction engineering staff. For private developer projects, roundabouts may be constructed by private contractors after the developer reaches an agreement with DelDOT to improve an intersection at one of the development's proposed entrances or an intersection impacted by the development. These roundabouts are built with DelDOT oversight. Finally, a developer could construct a roundabout on private land, which would have some level of oversight from DelDOT for inspection, but DelDOT does not have control over the final plans. Todd recommended developers use the resources DelDOT has provided online for roundabout guidance.
- Donna West commented that the Warrington Road roundabout is hard to navigate. The lanes are narrow and the center concrete island is large. Todd responded that DelDOT provides guidelines on minimum lane width (usually 14'-16'). The inner circle is often concrete, because landscaping could obstruct sightlines and access for landscape maintenance could be difficult.

Trees within the Right-of-Way

This section of the meeting is a response to Working Group recommendation **B-14: Identify locations where trees can safely be planted within the right of way**. This presentation was given by Mike Campbell from WRA to educate working group members and solicit feedback.

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There are two main reasons DelDOT would include trees along a typical project in public right-of-way: to meet regulatory requirement such as the Landscaping and Reforestation Act, or when requested by the community. The requirements or desire for landscaping starts in project planning. DelDOT Planning coordinates with the DelDOT South Maintenance District and Roadside Environmental Coordinator to discuss the project and any potential maintenance concerns related to the landscape.

Safety is a major factor when planning landscaping along a typical roadway. Trees can be a major hazard if they are placed improperly. Trees must be set back to maintain lines of sight to provide safe movement for cars, pedestrians, and bicycles. Lateral offsets are critical components to the design, and are based on the roadway classification, design speeds, adjacent land use, and presence of a physical barrier. Trees and utilities are often competing for limited available space within the right-of-way, both above and below ground.

Selecting the correct species of trees is important to help reduce future maintenance impacts for trees and utility companies. Things like salt spray tolerance, wind tolerance, and sandy soil conditions are specific things to consider, especially in Sussex County. Invasive and harmful species are prohibited by law and there is currently a draft bill that may require all plantings within public right-of-way to be native species. Mike also referenced DelDOT's publication "Enhancing Delaware Highways," as a resource for trees and landscaping within the right-of-way.

Lastly, Mike emphasized the maintenance requirements and costs for installing and maintaining trees and landscaping within the right-of-way. Landscape maintenance agreements are required for all projects where extensive landscape elements are desired. Agreements are between DelDOT and an established entity with financial capacity to maintain landscape over time.

Robert Fischer asked if the guidelines Mike presented were only for future projects or also for existing roads. He specifically mentioned Miller Road at Airport Road, due to the fire company's use of this corridor. Todd Oliver responded that if there were a safety related issue for an existing landscaping, DelDOT would look into trimming or removing any landscaping so the necessary sight lines are met, allowing vehicles to navigate the intersection in a safe manner.

Mary Roth said the Historic Lewes Byways Committee has been working with DelDOT on the landscaping for several of the new projects and developments coming to the Five Points area, including Minos Conaway, the Tower Hill development on New Road, and Wescoats Road and Old Orchard Road. She added how helpful the information Mike presented will be to others who want to work on projects and offered to help inform the process. Leah Kacanda added that the member packet includes a one-page document with all the relevant information.

Mary asked if the Landscape and Reforestation Act referred to earlier is Delaware's Tree Bill or something separate. Mike clarified that the Act and the Bill go hand in hand. When a certain number of trees are removed, DelDOT is required to replant new trees into that project. Projects requiring compliance with the law are limited to roadway widening or new roadway alignment projects. Tree impacts are quantified individually or by the acreage that is impacted. Reforestation mitigation quantities are based on volume of forest or tree impacts and will require a one-to-one acreage mitigation or individual tree replacement.

Phase 2 Implementation Plan Update

Leah Kacanda provided the Implementation Plan Update. Of the 78 Working Group recommendations, 55 are now in progress, ongoing or completed. One recommendation is newly "In Progress," three recommendations are complete since last meeting; one recommendation has changed from "In Progress" to "Ongoing." "In-progress" means that at some point, the recommendation will be complete, and "ongoing" means it's part of a normal procedure on a continuing basis that is always being worked on, monitored, etc. All seven recommendations "To be initiated in 2021" were initiated in 2021, and four recommendations were selected "To be initiated in 2022."

Leah proceeded to give progress updates.

- **A-7 – Study the feasibility of widening or adding through lanes on Plantation Road from Route 24 to Cedar Grove Road and Postal Lane.**
 - This study is on hold pending results of the Mulberry Knoll Road Extension study.
 - Mulberry Knoll Road study expected to be completed in Spring of 2022.

- **B-2 – Consider modifications to land development requirements and/or the Development Coordination Manual that require additional buffers/setbacks for all new developments for future road expansion.**
 - In 2020, the Sussex County Planning & Zoning Commission discussed a potential future revision to the Zoning Code to clarify the maximum extent to which parking may be permitted in the front yard setback.
 - DelDOT updated the Development Coordination Manual (DCM) in December 2019 to require greater width along two-lane principal arterials.
 - Changing right of way requirements on other road classifications would require another update to the DCM.
 - DelDOT is currently updating Chapter 2 of the DCM – Traffic Studies
 - Chapter 3 deals with Right of Way. That update is not yet underway.
 - The Development Coordination Manual is in the Strategic Highway Safety Plan (Strategy 5.2 Revise DelDOT's Development Coordination Manual to require additional pedestrian infrastructure improvements related to new developments).

Mike Tyler asked about cycling in developments, pointing out that pedestrians appear to be taken care of, but no mention of cyclists for developments. Will DelDOT be asking developments for bicycle lanes as well? Pamela Steinebach responded that for developments, the requirement for a shared-use path is determined by whether the development is in a particular investment level guided by the Office of State Planning and depends on the number of trips the development generates. Based off these criteria, DelDOT will let the development know if they need to have a shared-use path along their frontage roadway or not.

- **B-5 – Study the feasibility of converting the Arby's driveway between Route 1 and Savannah Road into a publicly-accessible road**
 - DelDOT negotiated a concept for connections through the Nicola Pizza property.
 - Sussex County approved the Nicola Pizza site plan with the easement language.
 - Further progress on hold until Arby's comes up for development.
 - Traffic conditions will be monitored during the Old Orchard Road realignment construction.
- **B-8 –Study the feasibility of a parking management system to alert travelers when parking lots at major destinations are full**
 - DNREC is getting ready to update the entrance to Cape Henlopen State Park, and would like to explore adding automated counters for use in tracking parking occupancy.

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- **B-10 – Endorse "don't block the box" legislation with camera enforcement**
 - To be Initiated in 2022
 - Local legislators and DeIDOT are drafting legislation
- **B-14 – Identify locations where trees can safely be planted within the right of way.**
 - The presentation earlier this evening provided the guidelines that govern how trees could potentially be planted within the right of way.
 - At the April 2022 meeting, members will have the opportunity to provide input on desired locations for trees.

Robert Fischer asked about recommendation B-5, especially with further progress being on hold due to Arby's and asked if there would be a schedule that could be made available to members. Shanté Hastings responded that DeIDOT is not planning to move this recommendation forward until the Arby's parcel redevelops. Making this connection will impact their parking and require a complete redesign. Jamie Whitehouse added that the easement language on the Nicola Pizza site plan is permanent. Achieving this interconnectivity requires both of the parcels, and with the Nicola Pizza easement being approved, it's already 50% done. Robert Fischer recommended making the Arby's redevelopment a possible shared-expense to help with moving the project forward.

- **C-1 – Conduct a corridor study on Route 9 to determine the feasibility of widening to four lanes**
 - A project is programmed in the FY 21 - 26 CTP.
 - Project development process began in October 2021.
 - The Plantation Road project will complete the widening of Route 9 from Ward Avenue to Route 1.
- **C-2 – Conduct a study at Route 9 and Minos Conaway Road to determine if a traffic signal is warranted and install a signal if warranted**
 - Study is complete, recommending installation of a southbound right-turn lane on Minos Conaway Road and keeping stop sign control.
 - A project was programmed in the FY 21 - 26 CTP.
 - The right turn lane was accelerated by adding it to a paving rehabilitation project, and construction is underway.
- **C-4 – Improve the Canary Creek bridge on New Road to reduce flooding**
 - The project development process is underway under DeIDOT's Bridges/State of Good Repair budget.
 - Online public information meetings were held in June and August 2021.
 - Final right of way approval has been received.
 - Construction is anticipated to begin in Fall of 2023, rather than after completion of Old Orchard Road as originally planned.

- **C-5 – Improve the intersection of Cave Neck Road, Sweet Briar Road, and Hudson Road.**
 - A project is programmed in the FY 21 - 26 CTP.
 - DeIDOT presented alternatives to Council in November. A public workshop was held November 16, 2021.
 - A preferred alternative is scheduled to be selected in early 2022 and design complete in early 2024.
- **C-6 – Study the feasibility of lengthening left- and right-turn lanes throughout the study area**
 - DeIDOT Traffic evaluated locations suggested by Five Points Working Group members. All but two have been incorporated into other DeIDOT projects.
 - DeIDOT is looking at the potential to add southbound Route 1 at Dartmouth Drive to the Kings Highway capital project.
 - Southbound Route 1 at Ames Drive will be re-evaluated after changes are completed at Holland Glade Road.
 - Design is underway on southbound Route 1 at Old Landing Rd.
 - A pavement rehabilitation project now under construction on Minos Conaway Road from Route 9 to Brittany Lane is adding the right turn lane at US 9.
- **C-7 – Study the feasibility of improving Minos Conaway Road with appropriate lane widths, shoulder widths, turn lanes, curvature, etc.**
 - A curve compliance study completed in February 2019 and signage improvements were implemented in March 2019.
 - The Henlopen TID study recommended a project to improve Minos Conaway Road. The project is not funded.
 - A paving project is adding a right turn lane at US 9.
 - Further action on hold pending completion of Minos Conaway GSI.
- **C-11 – Develop concepts and estimates for bringing roads in the study area to DeIDOT standard, including shoulders**
 - In 2020 the Working Group clarified that C-11 applies to state roads.
 - The Henlopen TID study addressed state-maintained roads west of SR 1 and developed estimates for bringing them up to DeIDOT standard with 11-foot lanes and shoulders per functional classification.
 - The main roadways east of Route 1 are in the CTP or are being studied by others.
 - The status of this recommendation is changed to COMPLETE.

- **C-12 – Study access management opportunities along Route 1 in the study area, including potential connections between businesses**
 - An agreement between Lowe's and DeIDOT has been executed to provide access to Lowe's from Route 1 through the Lewes Transit Center property.
 - Sussex County is actively pursuing interconnectivity in all commercial projects along Route 1.
 - This recommendation status is changed to ONGOING
- **C-14 – Study the feasibility of installing a “YOUR SPEED” display on southbound Route 1 at Nassau Road.**
 - The radar speed sign was installed August 18, 2021 in the median approximately 415 ft south of Nassau Road (northern access point).
 - Status: COMPLETE
- **C-16 – Study the feasibility of providing driveway access from Beacon Middle School and Love Creek Elementary School onto Mulberry Knoll Road**
 - To be initiated in 2022.
 - Revisit reasons behind the original school site access plans.
 - Consult with Cape Henlopen School District.

Mike Tyler asked about the widening of Route 9 due to Minos Conaway and if the wide shoulder that exists would be impacted because it's frequently used by cyclists. The other question Mike had was related to interconnectivity of Grotto's Pizza and Lowe's and other missed opportunities in the area. Shanté agreed that there had been some missed opportunities for interconnectivity, but commercial property owners need to be willing to provide interconnectivity to make something like this happen. Kim Stevenson added that Sussex County is working hard on this initiative, asking developers for plans showing interconnectivity or where future connections would be provided if adjacent non-commercial property converted to commercial development

- **D-1 – Study the feasibility of a hop-on, hop-off van or jitney service loop for Lewes similar to free service in Cape May (Five Points, hospital, Lloyds Grocery Store, downtown Lewes, Library, Lewes Beach, Ferry, State Park, etc.)**
 - Primary lead is the City of Lewes.
 - DTC has held conversations with the City of Lewes about providing them small cutaway (paratransit sized) buses that they could operate as jitneys.
 - Lewes wants to start service in May 2022.

Anne Marie Townshend said this was prioritized by City Council for 2022. They are calling it a pilot program. The City will lease retired paratransit buses from DTC, which greatly reduces the cost for vehicles. They anticipate two buses will run a loop with stops including the Ferry, beach parking lots, Otis Smith Park, 1812 parking lot, George H.P. Smith Park where the Farmers Market is held, then through town to Schley Avenue (a satellite parking site for downtown), the Library and trail head, and Cape Henlopen High School. The City is working with the High School to try to get a park and ride location there. There are still a lot of details to work out but the City is making good progress. It costs more to run than the revenue it will generate. But the City is hoping to relieve parking congestion and traffic congestion while providing a service to people living in and visiting Lewes.

- **D-3 – Develop design guidance to separate pedestrians and bicyclists from highway traffic using aesthetic treatments**
 - To be Initiated in 2022
- **D-4 – Develop concepts and estimates for filling sidewalk gaps along New Road and Old Orchard Road**
 - Portions will be built by current CTP projects:
 - Old Orchard Road relocation project – construction start Fall 2022, complete 2025
 - New Road Canary Creek Bridge – construction start Fall 2023, complete Spring 2024
 - SR1/Minos Conaway Road – construction start 2023, complete 2025
 - New Road from Nassau Road to Old Orchard Road – preliminary engineering start 2025
 - Portions will be built by developer projects.
 - The Byway Committee will identify remaining gaps on New Road.
 - DelDOT will inventory remaining gaps on Old Orchard Road in FY 2023.
- **D-5 – Develop concepts for filling all sidewalk gaps along Savannah Road between Lewes and Five Points.**
 - The Savannah Road Sidewalk project started construction November 1, 2021. It places sidewalk on the south side of Savannah Road from Quaker Road to the G&L Trail.
 - The Old Orchard Road relocation project will add sidewalk on Savannah Road in project limits.
 - DelDOT will inventory remaining gaps in FY 2023 and report to the Byway Committee.
 - The Byway Committee is investigating moving forward with a master plan for Savannah Road.

- **D-9 – Identify potential connections to and from the Lewes Transit Center**
 - Being examined as part of the SR 1 Low Stress Bikeway study.
 - Draft FY 2023-28 CTP has a project on Shady Road including pedestrian/bicycle improvements.
- **D-11 – Study the feasibility of providing shelters at bus stops – Context sensitive i.e. beach style.**
 - DTC has upgraded and improved transit shelters in the Five Points study area with its new statewide standard shelter.
 - DTC will continue to evaluate bus stops for shelters.
 - This recommendation is COMPLETE
- **D-15 – Study opportunities for pedestrian crossings on Kings Highway and Freeman Highway**
 - Pedestrian crossings of Kings Highway were provided at the signal at Clay Road.
 - Improved pedestrian crossings are planned to be installed at the signal at Kings Highway and Gills Neck Road in 2022.
 - By agreement between a developer, the City of Lewes, and DeIDOT, a new signal will be installed at Freeman Highway and Monroe Avenue which will have at least one crosswalk across Freeman Highway.
 - Additional pedestrian facilities may be included with the Kings Highway CTP project as proposed by the Kings Highway/Gills Neck Road Bypass Master Plan.
 - The Kings Highway CTP project has started and a public meeting is planned in February 2022.
 - Rectangular Rapid Flashing Beacons (RRFB) are now operating at the trail crossing of Freeman Highway near Cape Henlopen Drive.

Mike Tyler asked about the possibility of a bicycle lane on New Road from SR 1/Nassau Road to Pilottown Road and asked what the plans are for Shady Road. Mary Roth responded that there are not a lot of options between Nassau Road and Old Orchard Road. Currently, the best access for bikes is provide by the Georgetown-Lewes Trail. However, a shared use path along New Road is under development. The Tower Hill development on New Road will provide a shared use path that extends along New Road to Schaffer Lane. At Schaffer Lane cyclists will cross over New Road to access the shared use path along the Lewes Waterfront Preserve, which will continue over the new Canary Creek bridge. The configuration of the path on the north side of the Canary Creek bridge is still under development, but the ultimate goal is to get cyclists safely up New Road and into the Reserve at Pilottown which has lots of low-stress streets. In regard to Shady Road, Jenn Cinelli said that the project has been submitted to the CTP, which is still in draft form and more related to transit.

Rep. Peter Schwartzkopf said that if more bus shelters needed to be built, he could provide funding. Shanté added that all of the bus shelters in recommendation D-11 have been completed, but if there are other locations of interest, DeIDOT would be happy to coordinate with Rep. Peter Schwartzkopf on that effort.

- **E-2 – Evaluate the potential transportation benefits, costs, and impacts of a new road parallel to Plantation Road connecting Mulberry Knoll Road to Route 9; require any new development in this area to build this road to state specifications one parcel at a time**
 - This project is a candidate for the FY 23-28 Capital Transportation Program; CTP hearings were held in September.
 - It is still intended that developers will build this road to the greatest extent possible or will contribute to its construction through the Henlopen TID.
 - A public workshop was held October 26, at 4:00 pm.
 - The study will be completed in Spring of 2022.
- **E-4 – Evaluate the potential transportation benefits, costs, and impacts of a new road connecting Route 1 north of Five Points and the Vineyards**
 - To be Initiated in 2022.
 - A new road connection would allow developments in the area to access the roadway network from more than just a single point.
- **E-7 – Evaluate the potential transportation benefits, costs, and impacts of a new through road connecting Postal Lane with the intersection of Old Landing Road/Airport Road**
 - Airport Road extension from Old Landing Road to SR 24 is included in a CTP project which will begin preliminary engineering in 2025.
 - The new extension from Old Landing Road will connect to Beebe Drive which connects to SR 24.
 - There is no project at this time to extend Airport Road west of SR 24 to Postal Lane. It is recommended by the Henlopen TID study.

Robert Fischer remarked he would like to see projections of how DeIDOT's ongoing improvements to signals, signal connectivity, surveillance and central control in the next five years will improve travel times on SR 1. Todd Oliver responded that the traffic signal improvements are being constantly evaluated and have the benefit of DeIDOT being able to make real-time adjustments when issues occur. Todd added that he is not aware of any effort to project future traffic, but with everything DeIDOT has in place with real-time capabilities is efficient and does help improve situations. Bob Fischer then suggested that in lieu of projections, DeIDOT could do periodic reports on actual travel time.

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Next steps

Andrew summarized the next steps in the Working Group process:

- Continue work on recommendations
- Provide email progress updates in February and March
- Convene the Working Group on April 25, 2022
- Prepare the 2021 Annual Report summarizing activities and progress in 2021
- Schedule a public workshop in May 2022

Public comments

Andrew Bing asked meeting attendees whether they had any comments or questions.

- Eul Lee commented about the safety comparison of signalized intersections versus roundabouts. This is confusing because roundabouts aren't replacing signals. Also, at the roundabout on Beaver Dam Road, Beaver Dam Road seems to go into the new development.
- Shanté responded that if an existing stop-controlled intersection or a new development driveway intersection would qualify for a traffic signal, then DeIDOT examines whether a roundabout or traffic signal would be a better fit. For the Beaver Dam Road example, there are no traffic signals on that road already so a roundabout would be better served. The amount of traffic generated by a development also plays a role in whether or not the intersection requires a traffic signal/roundabout. The Beaver Dam Road roundabout is offset so the travel path is deflected in order to slow traffic down and make it safer to navigate. Permanent lighting will be installed.
- Eul Lee asked whether single lane roundabouts preclude future expansion to accommodate traffic growth and therefore will cause bottlenecks. Shanté responded that single lane roundabouts do have capacity limits. DeIDOT bases design on 20-to-30-year projections. If in the longer-term traffic growth exceeds the single lane roundabout capacity, DeIDOT would either create a multilane roundabout or take out the roundabout and put in a signalized intersection.
- Mike Tyler added that as a cyclist, the only thing they fear with roundabouts is how cars won't yield to bicycles, suggesting that proper signage could help with that.

Andrew Bing thanked everyone for the presentations, the attendees and all of the discussions for the evening. The meeting was adjourned at 7:50 pm.

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Public attendance

Twelve members of the public attended, as listed below.

Marc Coté

Bonnie Crosby

Charles Daneri

Dan Deboissiere

Savannah Edwards

Eul Lee

Ron Nichols

Diana O'Hagan

Bill Weller

Donna West

Joe Hoechner

Anonymous attendee



List of upcoming meetings

Phase 2 Working Group

Public Workshop

Monday, May 9, 2022, 4:00-6:00 pm
Cape Henlopen High School Library

Meeting #13

Monday, October 24, 2022, 6:00 pm
Location to be determined

Meeting dates, times, locations, and agendas are subject to change.

See the Delaware Public Meeting Calendar
at publicmeetings.delaware.gov
for official meeting notices.



FIVE POINTS TRANSPORTATION STUDY
IMPLEMENTATION PLAN STATUS REPORT

January 31, 2022 (**red text** indicates changes since January31, 2022 Working Group meeting)

\$ < \$200K * <3 years ◇ Low
\$\$ \$200K - \$2M * * 3-10 years ◇ ◇ Medium
\$\$\$ \$2M - \$20M * * * >10 years ◇ ◇ ◇ High
\$\$\$\$ \$20M - \$200M
\$\$\$\$\$ > \$200M

Category	ID	Priority	Old idea no.	Working Group recommendation	Assumed lead agency	Other responsible parties (if any)	Study cost	Study timeframe	Imp. cost	Imp. timeframe	Imp. impacts	Status	Remarks
A. Recommendations to be implemented under current DeIDOT projects or initiatives													
A	1	N/A	25	Review the need for grade separating or restricting crossings between Frederica and Lewes before eliminating signals in this area	DeIDOT - Traffic		\$	*	N/A	N/A	N/A	COMPLETE	Studies have been completed, with results presented to the Working Group in October 2019. DeIDOT is proceeding with a program of grade separations and crossover improvements.
A	2	N/A	42	Evaluate Tulip Drive connection to Route 1 as part of the Minos Conaway Road grade separation project	DeIDOT - PD South		\$	*	\$\$	* *	◇ ◇	COMPLETE	Tulip Drive connection is now part of the Minos Conaway project.
A	3	N/A	53	Study the feasibility of increasing the proposed Route 24 bypass of Millsboro from one lane in each direction to two lanes in each direction	DeIDOT - PD South		\$\$	* *	\$\$\$\$	**	◇ ◇ ◇	COMPLETE	This effort was completed as part of the US 113 Millsboro-South Area Supplemental DEIS. A two-lane bypass was found to be adequate for future demand.
A	4	N/A	54	Study options for signage to direct appropriate traffic, i.e. local, boat, U of D and walking/biking areas, under the Nassau Bridge	DeIDOT - PD South		\$	*	TBD	TBD	TBD	IN PROGRESS	Sussex County Tourism has developed the plan for destination signing on SR 1 including the destinations and sign appearance. Directional signs installed as part of the Minos Conaway project will have a look that is consistent with the Sussex County Tourism design scheme. Documentation of signing will be available when semi-final plans are completed and the public will have the opportunity to comment. Coordinate with recommendation B-24.
A	5	N/A	55	Evaluate one-way service roads as part of the Minos Conaway Road grade separation project	DeIDOT - PD South		\$	*	\$\$	* *	◇ ◇	COMPLETE	Service roads are now part of the project; they are two-way to provide better mobility. Please see the project page for additional information. A ramp from northbound Route 1 to the east service road in the vicinity of Meineke is under consideration to serve local traffic.
A	6	N/A	82	Study the feasibility of extending the eastbound widening of Route 24 to Love Creek	DeIDOT - PD South		\$	*	\$\$\$	* *	◇ ◇ ◇	COMPLETE	The current project, design of which is nearing completion, extends the four-lane section on SR 24 to a point west of Beacon Middle School. Widening to three lanes (one through lane in each direction plus a center left-turn lane) will extend to the Love Creek bridge. The Henlopen TID study anticipates that widening of the bridge will be needed by 2040.
A	7	N/A	83	Study the feasibility of widening or adding through lanes on Plantation Road from Route 24 to Cedar Grove Road and Postal Lane	DeIDOT - PD South/Planning		\$	*	\$\$\$	* *	◇ ◇ ◇	IN PROGRESS	On hold pending results of the Mulberry Knoll Road Extension study. See recommendations E-2 and E-3.

FIVE POINTS TRANSPORTATION STUDY
IMPLEMENTATION PLAN STATUS REPORT

January 31, 2022 (red text indicates changes since January31, 2022 Working Group meeting)

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B. Implement policies and procedures to make the area more efficient, sustainable, and beautiful													
B	1	Y	34	Require new developments to plan for interconnections to any future development areas and monitor to ensure implementation	Sussex County	DeIDOT	\$	*	N/A	N/A	N/A	ONGOING	All subdivision applications are subject to pre-application meetings. Where the potential for interconnectivity to undeveloped parcels is identified, this is discussed with developers prior to application submittal.
B	2	Y	86	Consider modifications to land development requirements and/or the Development Coordination Manual that require additional buffers/setbacks for all new developments for future road expansion	Sussex County	DeIDOT	\$	*	N/A	N/A	N/A	IN PROGRESS	In 2020, the Sussex County Planning & Zoning Commission discussed a potential future revision to the Zoning Code to clarify the maximum extent to which parking may be permitted in the front yard setback. DeIDOT updated the Development Coordination Manual to require greater width along principal arterials. Sussex County's east-west roads are not principal arterials except Route 18/404. Changing right of way requirements on other road classifications would require another update to the DCM. DeIDOT is currently updating Chatper 2 of the DCM - Traffic Studies. Chapter 3 deals with Right of Way. That update is not yet underway. The DCM is in the Strategic Highway Safety Plan (Strategy 5.2 Revise DeIDOT’s Development Coordination Manual to require additional pedestrian infrastructure improvements related to new developments).
B	3	Y	4	Study the feasibility and anticipated effectiveness of modifying signage, starting in Milford, to encourage through drivers (to points outside the Route 1 corridor between Lewes and Dewey Beach) to use Route 113, Route 5, Route 23, etc.	DeIDOT - Traffic	Private partner(s) such as Waze	\$	*	\$\$	*	◇	COMPLETE	An additional sign was installed on southbound SR 1 south of Thompsonville Road to identify municipal destinations and distances. Anticipated effectiveness of guide signs is decreasing as more and more people rely on GPS/route guidance systems. Travel time messages are now displayed on these variable message signs approaching the beach area. This information is also available on the DeIDOT app.
B	4	Y	91	Improve advance acquisition process to allow DeIDOT to more quickly acquire land needed for transportation improvements and acquire available land within the Five Points Study Area (e.g., Creative Concepts)	General Assembly	DeIDOT	\$	**	N/A	N/A	N/A	COMPLETE	New advance acquisition regulations were approved in 2018. Now proactive purchases will be feasible.
B	5	Y	50	Study the feasibility of converting the Arby’s driveway between Route 1 and Savannah Road into a publicly-accessible road	DeIDOT - Planning	DeIDOT - Real Estate and PD South; property owners	\$	*	\$\$	**	◇	IN PROGRESS	DeIDOT negotiated a concept for connections through the Nicola Pizza property. Sussex County approved the Nicola Pizza site plan with the easement language. Further progress on hold until Arby's comes up for development. Coordinate with B-1 , C-12.
B	6	Y	14	Incorporate more walkable, bikeable, mixed-use town centers into the comprehensive plan	Sussex County		\$	*	N/A	N/A	N/A	Longer-term	

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B	7	Y	89	Continue TID studies both east and west of Route 1	DeIDOT - Planning	Sussex County, City of Lewes	\$\$	*	TBD	TBD	TBD	COMPLETE	At its October 27, 2020 meeting, Sussex County Council approved the Henlopen TID agreement. The Henlopen TID recommendations are related to Five Points Recommendations A-6, A-7, C-1, C-3, C-7, C-19, E-2, and E-3. Because most available land on the east side of Route 1 has already been developed or approved for development, there is limited value to a TID in this area.
B	8	Y	62	Study the feasibility of a parking management system to alert travelers when parking lots at major destinations are full	DeIDOT - Planning	DeIDOT Traffic, DTC, property owners, businesses, DNREC, private partner(s)	\$\$	*	\$\$\$	**	◇	IN PROGRESS	DeIDOT has reached out to DNREC to obtain information on their current parking count and monitoring practices and historic lot count data. DNREC is getting ready to update the entrance to Cape Henlopen State Park, and would like to explore adding automated counters for use in tracking parking occupancy. Coordinate with recommendation B-3.
B	9	N	69	Study enhancing New Road per Byway Master Plan	DeIDOT	City of Lewes, Sussex County, Delaware Greenways, Byway Committee	N/A	N/A	\$\$\$	**	◇ ◇ ◇	ONGOING	The New Road Master Plan was endorsed by the Lewes Mayor & City Council on July 13, 2020. In addition, they approved the Byway’s request to transition to a citizen-led Byway Committee with representation from the City on the committee. The New Road bridge over Canary Creek is being designed in accordance with the Master Plan. Improvements along frontages of new development will be addressed by developer agreements.
B	10	N	94	Endorse "don't block the box" legislation with camera enforcement	General Assembly	Delaware State Police, DeIDOT	\$	**	\$\$	*	◇	IN PROGRESS	Local legislators and DeIDOT are drafting legislation.
B	11	N	87	Ensure cost savings from transportation projects within the study area are re-invested in projects within the study area	General Assembly		\$	*	N/A	N/A	N/A	Longer-term	
B	12	N	15	Study relaxed height limits as part of the comprehensive plan to increase density	Sussex County		\$	*	N/A	N/A	N/A	Longer-term	
B	13	N	95	Study alternatives to both meter and slow southbound traffic approaching Five Points	DeIDOT		\$	*	TBD	TBD	TBD	COMPLETE	DeIDOT has implemented speed reduction pavement markings along SR 1 southbound approaching the Nassau Bridge.
B	14	N	36	Identify locations where trees can safely be planted within the right of way	DeIDOT		\$	*	\$\$	**	◇	IN PROGRESS	DeIDOT already considers adding trees during development of capital projects. At the January, 2022 meeting DeIDOT will provide the Working Group with guidelines that govern how trees could potentially be planted within the right of way. At the following Working Group meeting, members will have the opportunity to provide input on desired locations for trees.

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B	15	N	17	Identify all locations in the study area with poor drainage and make recommendations for potential inclusion in the Capital Transportation Program or developer requirements	DeIDOT	Sussex County	\$	*	\$\$\$	***	◇◇	Longer-term	
B	16	N	16	Increase the importance of considering noise and lighting impacts of major transportation project recommendations per regulations	DeIDOT		\$	*	N/A	N/A	N/A	ONGOING	
B	17	N	56	Evaluate the use of land made available by narrowing lanes for landscape and multi-modal trails or parks	DeIDOT		\$	*	\$\$	**	◇	Longer-term	
B	18	N	26	Study potential locations and designs for aesthetically pleasing gateways to coastal Sussex County	Sussex County	DeIDOT, City of Lewes, Byway Committee	\$	*	\$\$	**	◇	Longer-term	
B	19	N	75	Study the feasibility of mounting clear, consistent, day/night address/block numbering signage along Route 1	DeIDOT	Sussex County Tourism	\$	*	\$\$	*	◇	Longer-term	
B	20	N	80	Consider whether CTP funding should be allocated based on population growth	DeIDOT	Council on Transportation	\$	**	N/A	N/A	N/A	Longer-term	
B	21	N	7	Study frequency and causes of emergency vehicle preemption and make recommendations to balance emergency vehicle access with traveler mobility	DeIDOT	Emergency service providers	\$	*	\$\$	*	◇	ONGOING	Minimizing the impact of pre-emption is an ongoing effort. New signal controllers that will enhance recovery from preemption were deployed along the corridor. The vendor is working on firmware updates to take advantage of this feature.
B	22	N	2	Require bike parking as a condition of certain new developments	Sussex County		\$	*	N/A	N/A	N/A	ONGOING	Discussions with developers occur as plans are submitted. Bike parking recommendations are made for some site plans.
B	23	N	35	Use an app to warn people of congestion on Route 1 and recommend alternative routes	DeIDOT		\$	*	N/A	N/A	N/A	COMPLETE	DeIDOT app is in place and continually being updated.
B	24	N	49	Improve tourism-oriented destination signage along Route 1	Sussex County Tourism	DeIDOT	\$	*	\$	*	◇	IN PROGRESS	Sussex County Tourism is taking the lead on this effort in conjunction with municipalities. Coordinate with recommendation A-4.
B	25	N	28	Identify the costs and benefits of dedicating Nassau Commons Boulevard to public use	DeIDOT Planning	Sussex County, property owner	\$	*	\$\$	**	◇◇	IN PROGRESS	The developer of the Vineyards may be improving a portion near US 9. DeIDOT is investigating right of way issues, including maintenance. The Henlopen TID recommended a project to improve Nassau Commons Boulevard, which is currently not funded.
B	26	N	21	Bring in nationally recognized planners and engineers to provide new, creative ideas that draw from examples in other parts of the country	DeIDOT	Sussex County	\$	*	N/A	N/A	N/A	Longer-term	
B	27	N	9	Develop a better process for constituents to request transportation improvements	DeIDOT	General Assembly, Sussex County, Council on Transportation	\$	*	N/A	N/A	N/A	IN PROGRESS	DeIDOT continues to develop the Project Pipeline Process, a new portal for the public to identify transportation issues and request improvements.

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C. Make the most of existing roadway infrastructure													
C	1	Y	20	Conduct a corridor study on Route 9 to determine the feasibility of widening to four lanes	DeIDOT - Planning		\$\$	**	\$\$\$\$	***	◇ ◇ ◇	IN PROGRESS	Widening is recommended by the Henlopen TID study, with limits from Ward Avenue to just west of Old Vine Boulevard. A project is programmed in the FY 21 - 26 CTP. Project development process began in October 2021. The Plantation Road project will complete the widening of Route 9 from Ward Avenue to Route 1.
C	2	Y	72	Conduct a study at Route 9 and Minos Conaway Road to determine if a traffic signal is warranted and install a signal if warranted	DeIDOT - Traffic		\$	*	\$\$	*	◇	COMPLETE	Study is complete, recommending installation of a southbound right-turn lane on Minos Conaway Road and keeping stop sign control. A project is programmed in the FY 21 - 26 CTP. The right turn lane was added to a paving rehabilitation project and construction is underway.
C	3	Y	64	Initiate a capital project to improve the intersection of Old Landing and Warrington Road (developer funding and concept are available)	DeIDOT - PD South		N/A	N/A	\$\$\$	**	◇ ◇	COMPLETE	A project is programmed in the FY 21 - 26 CTP. Design is scheduled to start in FY 2025.
C	4	Y	11	Improve the Canary Creek bridge on New Road to reduce flooding	DeIDOT - Bridge		N/A	N/A	\$\$\$	**	◇ ◇ ◇	IN PROGRESS	A project has been initiated under DeIDOT's Bridges/State of Good Repair budget. Online public information meetings were held in June and August 2021. Final right of way approval has been received. Construction is anticipated to begin in Fall of 2023.
C	5	Y	92	Improve the intersection of Cave Neck Road, Sweet Briar Road, and Hudson Road	DeIDOT - PD South		\$	*	\$\$\$	**	◇ ◇	IN PROGRESS	Sussex County Council selected this intersection as the first project its FAST program (Funding Accelerating Safety in Transportation). DeIDOT presented alternatives to Council in November. A public workshop was held November 16, 2021. A preferred alternative is scheduled to be selected in early 2022 and design complete in early 2024.
C	6	Y	102	Study the feasibility of lengthening left- and right-turn lanes throughout the study area	DeIDOT - Traffic		\$	*	\$\$\$\$	***	◇ ◇ ◇	IN PROGRESS	DeIDOT Traffic evaluated locations suggested by Five Points Working Group members. All but two have been incorporated into other DeIDOT projects. DeIDOT is looking at the potential to add southbound Route 1 at Dartmouth Drive to the Kings Highway capital project. Southbound Route 1 at Ames Drive will be re-evaluated after changes are completed at Holland Glade Road. Design is underway on southbound Route 1 at Old Landing Rd. A pavement rehabilitation project now under construction on Minos Conaway Road from Route 9 to Brittany Lane is adding the right turn lane at US 9.
C	7	Y	104	Study the feasibility of improving Minos Conaway Road with appropriate lane widths, shoulder widths, turn lanes, curvature, etc.	DeIDOT - Planning/Traffic		\$	*	\$\$\$	***	◇ ◇ ◇	IN PROGRESS	A curve compliance study completed in February 2019 and signage improvements were implemented in March 2019. The Henlopen TID study recommended a project to improve Minos Conaway Road. The project is not funded. A paving project is adding a right turn lane at US 9. Further action on hold pending completion of Minos Conaway GSI.
C	8	Y	103	Study the feasibility of restriping two-lane sections of Savannah Road with a two-way left-turn lane	DeIDOT - Traffic		\$	*	\$\$	**	◇	COMPLETE	DeIDOT's assessment is complete. Providing a two-way left-turn lane is potentially feasible, but there are pros and cons to this idea. Implementation would likely involve more than striping. The Byway Committee is investigating moving forward with a master plan for Savannah Road that will consider whether a two-way left-turn lane should be provided.

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C	9	Y*	73	Evaluate potential short-term safety and operational improvements at Route 9, Plantation Road, and Beaver Dam Road while longer-term improvements are under development	DeIDOT Traffic/PD South		\$	*	\$	*	◇	COMPLETE	Signing and striping was implemented in spring of 2020 to better organize and direct westbound Route 9 traffic flow. Potential direct access to Lowe's from Route 1 may reduce traffic at this location.
C	10	Y*	32	Continue to improve traffic signal phasing, timing and coordination using real time monitoring and control technologies	DeIDOT - Traffic		\$	*	\$	*	◇	ONGOING	This is a core function of DeIDOT Traffic, and is done on an ongoing basis. Pre-emption improvements are in progress; see recommendation B-21.
C	11	N	68	Develop concepts and estimates for bringing roads in the study area to DeIDOT standard, including shoulders	DeIDOT		\$\$	**	\$\$\$\$\$	***	◇ ◇ ◇	COMPLETE	In 2020 the Working Group clarified that C-11 applies to state roads. The Henlopen TID study addressed state-maintained roads west of SR 1 and developed estimates for bringing them up to DeIDOT standard with 11-foot lanes and shoulders per functional classification. The main roadways east of Route 1 are in the CTP or are being studied by others.
C	12	N	98	Study access management opportunities along Route 1 in the study area, including potential connections between businesses	DeIDOT	Sussex County	\$	*	\$\$\$	**	◇ ◇ ◇	ONGOING	An agreement between Lowe's and DeIDOT has been executed to provide access to Lowe's from Route 1 through the Lewes Transit Center property. Sussex County is actively pursuing interconnectivity in all commercial projects along Route 1.
C	13	N	22	Study the feasibility of eliminating unsignalized crossovers on Route 1	DeIDOT		\$	*	\$\$	**	◇	Longer-term	This recommendation refers to crossovers between Five Points and Route 24.
C	14	N	51	Study the feasibility of installing a “YOUR SPEED” display on southbound Route 1 at Nassau Road	General Assembly	DeIDOT	\$	*	\$	*	◇	COMPLETE	Area legislators supported the installation of this sign using their Community Transportation Funds. The radar speed sign was installed August 18, 2021.
C	15	N	38	Study the feasibility of lengthening the southbound acceleration lane on Route 1 at Minos Conaway Road	DeIDOT		\$	*	\$\$	*	◇	COMPLETE	Construction was completed in spring 2020.
C	16	N	84	Study the feasibility of providing driveway access from Beacon Middle School and Love Creek Elementary School onto Mulberry Knoll Road	DeIDOT	Sussex County, Cape Henlopen School District	\$	*	\$\$\$	**	◇ ◇	To be Initiated in 2022	
C	17	N	27	Conduct capacity analyses at study area intersections to identify the need for turn lanes	DeIDOT		\$\$	*	\$\$\$\$	**	◇ ◇	Longer-term	
C	18	N	60	Improve lane markings and signs at identified intersections: Five Points, Dartmouth Drive/Kings Highway, Plantation Road/Beaver Dam Road	DeIDOT		\$	*	\$	*	◇	Longer-term	Immediate maintenance concerns are being addressed now.
C	19	N	78	Study the feasibility of an all-way STOP at Beaver Dam Road and Kendale Road	DeIDOT		\$	*	\$	*	◇	COMPLETE	Eight reportable crashes occurred at the intersection over the three years from March 2015 – March 2018. Based on the crash type, an all-way STOP may not be an appropriate countermeasure, with the curvature of the roadway and potential to increase rear-end crashes. A roundabout was studied but is not adequate for 2045 traffic. The Henlopen TID study recommended a traffic signal by 2045; it will be installed when a signal warrant is met.
C	20	N	48	Study the feasibility of replacing the HAWK signal with a full signal at Holland Glade Road, potentially with a fourth leg at the outlets	DeIDOT - Development Coordination		\$	*	\$\$	*	◇	COMPLETE	In conjunction with proposed development of Coastal Station on Route 1 at Holland Glade Road, the HAWK signal will be removed and replaced with a full signal and a four-way intersection. The intersection is now in final design.

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D. Make walking, bicycling, and transit more viable as alternatives to driving													
D	1	Y	79	Study the feasibility of a hop-on, hop-off van or jitney service loop for Lewes similar to free service in Cape May (Five Points, hospital, Lloyds Grocery Store, downtown Lewes, Library, Lewes Beach, Ferry, State Park, etc.)	City of Lewes, DRBA	DTC, DNREC	\$	*	\$\$	*	◇	IN PROGRESS	Primary lead would be the municipality. DTC’s role would be advisory to determine feasibility, and to serve as a partner to any study effort. DTC held preliminary conversations with the City of Lewes about providing them small cutaway (paratransit sized) buses that they could operate as jitneys. DTC also received a federal grant to pilot on-demand microtransit (DART Connect) services in the Georgetown and Millsboro areas. Based the success of the pilot, this type of service could be used in the Lewes area. Lewes wants to start service in May 2022.
D	2	Y	5	Study the feasibility of potential connections for walking and bicycling between existing neighborhoods, along streets, and to trails	Sussex County (as part of comprehensive plan)	DeIDOT - Planning	\$\$	*	\$\$\$	***	◇ ◇	IN PROGRESS	The SR 1 Low-Stress Bikeway Study is underway to evaluate the potential for routes both parallel to and crossing Route 1. The results of the pedestrian bridge study in recommendation D-6 will be incorporated into this effort. Coordinate with D-6 and D-10.
D	3	Y	96	Develop design guidance to separate pedestrians and bicyclists from highway traffic using aesthetic treatments	DeIDOT	Sussex County	\$	*	TBD	TBD	TBD	To be Initiated in 2022	
D	4	Y	90	Develop concepts and estimates for filling all sidewalk gaps along New Road and Old Orchard Road	DeIDOT - Planning		\$	*	\$\$\$	**	◇ ◇ ◇	IN PROGRESS	Portions will be built by current CTP projects on Old Orchard Road and SR 1/Minos Conaway Road, as well as by developer projects. The New Road Master Plan will identify remaining gaps on New Road. A gap remains on Old Orchard Road between the Trail and New Road. DeIDOT will inventory remaining gaps in FY 23.
D	5	Y	71	Develop concepts and estimates for filling all sidewalk gaps along Savannah Road between Lewes and Five Points	DeIDOT - Planning		\$	*	\$\$\$	**	◇ ◇ ◇	IN PROGRESS	The Savannah Road Sidewalk project started construction November 1, 2021. It places sidewalk on the south side of Savannah Road from Quaker Road to the G&L Trail. The Old Orchard Road relocation project will add sidewalk in the project limits. DeIDOT will inventory remaining gaps in FY 23 and report to the Byway Committee. The Byway Committee is investigating moving forward with a master plan for Savannah Road. To be coordinated with C-8.
D	6	Y*	52	Study the feasibility of pedestrian bridges over Route 1 at specific locations	DeIDOT		\$	*	\$\$\$	***	◇ ◇	IN PROGRESS	Initial candidate locations have been identified: the Five Points intersection area, the Lewes Transit Center area, and near Rehoboth Outlets (Surfside). Further evaluation, including public input, will be conducted as part of the SR 1 Low-Stress Bikeway Study. Coordinate with D-2 and D-10.
D	7	N	59	Study the feasibility of transit service to tie the Milton/Red Mill Pond/Minos Conaway Road area into the transit network	DTC		\$	*	\$\$	*	◇	IN PROGRESS	DTC studied the feasibility of providing traditional fixed route transit service to Milton/Red Mill Pond/Minos Conaway Road area and presented the findings to the 5 Pts. Transportation Advisory Group in January 2020 as not feasible at this time. DTC has improved service connections for transit transfers between Routes 206 and 303, which make the connection from the Lewes Transportation Center to Milton, but other factors in the schedules prevent them from being seamless. DTC is studying other types of non-traditional transit service options to this area that are better suited to operate given the economic, road geometry and environmental factors. Statewide, DTC is looking to create micro transit service delivery options in select areas, to operate as a pilot. Additionally, DTC will be applying for grants to support these proposals. The on-demand services mentioned in D-1 for Lewes could serve Milton in the future.

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D	8	N	81	Study the feasibility of a park and ride lot on Route 24 at the edge of the study area	DTC	DeIDOT	\$	*	\$\$\$	**	◇ ◇ ◇	IN PROGRESS	DTC supports implementing a Park and Ride along Route 24, but an exact location has not yet been determined. Discussions have begun with area businesses regarding park and ride locations along the Route 24 corridor.
D	9	N	23	Identify potential connections to and from the Lewes Transit Center	DeIDOT		\$	*	\$\$	**	◇	IN PROGRESS	Being examined as part of the SR 1 Low Stress Bikeway study. Draft FY 2023-28 CTP has a project on Shady Road including pedestrian/bicycle improvements.
D	10	N	6	Study the feasibility of a barrier in the median of Route 1 to deter pedestrian crossings at inappropriate locations	DeIDOT		\$	*	\$\$\$	**	◇	IN PROGRESS	Evaluations are being conducted in conjunction with recommendations D-2 and D-6.
D	11	N	67	Study the feasibility of providing shelters at bus stops - Context Sensitive i.e. cottage beach style shelters	DTC		\$	*	\$\$	*	◇	COMPLETE	DTC has upgraded and improved transit shelters in the Five Points study area with its new statewide standard shelter. 13 shelters were installed in the Rehoboth Beach/Lewes area and along the Route 1 corridor at the higher ridership locations in 2020 and 7 more bus shelters were installed in 2021. DTC will continue to evaluate bus stops for shelters.
D	12	N	41	Identify publicly- and privately-owned land in the study area that may be used for trails	DeIDOT		\$	*	\$\$\$\$	***	◇ ◇	Longer-term	
D	13	N	1	Identify locations in the study area where bike parking can be provided	DeIDOT		\$	*	\$	*	◇	Longer-term	
D	14	N	43	Study the feasibility of signing and/or pavement markings that will improve bicyclist comfort turning left from Dartmouth Drive onto Route 1	DeIDOT - Traffic		\$	*	\$	*	◇	COMPLETE	A bike box is not feasible at Dartmouth Drive. Bicyclists may cross SR 1 with pedestrian signals. Additional safety measures may be considered as part of the Kings Highway CTP project, which includes this intersection.
D	15	N	47	Study opportunities for pedestrian crossings on Kings Highway and Freeman Highway	DeIDOT, DRBA		\$	*	\$\$	**	◇	IN PROGRESS	Signs were installed in May 2018. Pedestrian crossings of Kings Highway were provided at the signal at Clay Road. Improved pedestrian crossings are planned to be installed at the signal at Kings Highway and Gills Neck Road in 2022. By agreement between a developer, the City of Lewes, and DeIDOT, a new signal will be installed at Freeman Highway and Monroe Avenue which will have at least one crosswalk across Freeman Highway. Additional pedestrian facilities may be included with the Kings Highway CTP project as proposed by the Kings Highway/Gills Neck Road Byway Master Plan. The Kings Highway CTP project has started and a public meeting is planned in February 2022. Rectangular Rapid Flashing Beacons (RRFB) were confimed to be operational on 12/30/2021 at the trail crossing of Freeman Highway near Cape Henlopen Drive.

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E. Invest in new infrastructure to support anticipated growth													
E	1	Y	66	Study the feasibility of a grade separation at Five Points	DeIDOT - Planning		\$\$	**	\$\$\$\$	***	◇ ◇ ◇	Longer-term	This effort will depend on the results of studies under A-7, E-2, and E-3. Additionally, the shorter term improvements and CTP projects will impact the scope of the study. DeIDOT has reviewed prior GSI studies and is developing a strategy for initiating a new study.
E	2	Y	70	Evaluate the potential transportation benefits, costs, and impacts of a new road parallel to Plantation Road connecting Mulberry Knoll Road to Route 9; require any new development in this area to build this road to state specifications one parcel at a time	DeIDOT - Planning	Sussex County	\$\$	**	\$\$\$\$	***	◇ ◇ ◇	IN PROGRESS	Idea is recommended by the Henlopen TID study. DeIDOT has initiated a planning study for this effort. Inventory and mapping of wetlands and historic resources is underway. Opportunities for public involvement will be provided during the study process. This project is a candidate for the FY 23-28 Capital Transportation Program. CTP hearings were held in September, 2021. A public workshop was held October 26, 2021. Coordinate with A-7 and E-3.
E	3	Y	8	Develop a plan for grid road patterns where land is available, working with property owners and developers, including a series of roads that connect Route 9, Route 23, and Route 24 between Plantation Road and Dairy Farm Road	DeIDOT - Planning	Sussex County, property owners and developers	\$\$	**	\$\$\$\$	***	◇ ◇ ◇	IN PROGRESS	Idea is recommended by the Henlopen TID study. The TID identified grid connections, but only between Plantation Road and Mulberry Knoll Road. The County Master Plan requires connections related to US 9 when large parcels are developed along that corridor. Coordinate with A-7 and E-2.
E	4	N	29	Evaluate the potential transportation benefits, costs, and impacts of a new road connecting Route 1 north of Five Points and the Vineyards	DeIDOT		\$\$	**	\$\$\$	***	◇ ◇ ◇	To be Initiated in 2022	
E	5	N	44	Look at east/west traffic as a system: Minos Conaway (starting at Route 9), New, Old Orchard, and Clay Roads	DeIDOT - Planning, PD South		\$\$	*	TBD	TBD	TBD	Longer-term	
E	6	N	57	Study the feasibility, benefits, costs, and impacts of potential service roads along Route 1, including whether narrowing the median would facilitate provision of service roads	DeIDOT		\$\$	**	\$\$\$\$\$	***	◇ ◇ ◇	Longer-term	
E	7	N	77	Evaluate the potential transportation benefits, costs, and impacts of a new through road connecting Postal Lane with the intersection of Old Landing Road/Airport Road	DeIDOT		\$\$	**	\$\$\$	***	◇ ◇ ◇	IN PROGRESS	Airport Road extension from Old Landing Road to SR 24 is included in a CTP project which will begin preliminary engineering in 2025. Extension from SR 24 to Postal Lane is recommended by the Henlopen TID study, but there is no project.
E	8	N	85	Evaluate the potential transportation benefits, costs, and impacts of a new road to connect Route 24 near Beacon Middle School with Old Landing Road near Arnell Creek	DeIDOT		\$\$	**	\$\$\$	***	◇ ◇ ◇	Longer-term	
E	9	N	30	Revisit and consider feasibility of recommendations from 2003 SR 1 Land Use and Transportation Study	DeIDOT		\$\$	*	\$\$\$\$\$	***	◇ ◇ ◇	Longer-term	



Beacon Middle School





April 2022

To: Five Points Transportation Study Phase 2 Working Group Members

Kathi Colman
Robert Fischer
Josh Grapski
Scott Green
Councilman Doug Hudson
DJ Hughes
Todd Lawson
Sen. Ernesto B. Lopez
Glenn Marshall
Carol Materniak

Mary Roth
Councilman Mark Schaeffer
Lloyd Schmitz
Rep. Peter Schwartzkopf
Kim Hoey Stevenson
Rep. Steve Smyk
Pamela Steinebach
Ann Marie Townshend
Michael Tyler

Thank you for your participation in – and support of – the Five Points Transportation Study. We are pleased to present the 2021 Annual Report for Phase 2 of the study effort. Welcome to the new members who have joined the Working Group in 2022.

With the help of the Working Group, significant progress was made in 2021 toward implementing many of the 78 recommendations approved by the Phase 1 Working Group. In addition to continuing work on 29 recommendations that were in progress or ongoing at the beginning of 2021, DelDOT and Sussex County began work on seven additional recommendations. Three of the 78 recommendations were completed in 2021, bringing the total completed to 21.

In 2022 the goal is to continue implementing projects and initiatives generated by the recommendations from Phase 1, with a focus on making improvements that the public can see on the ground. We are confident that, by following these recommendations, DelDOT and Sussex County can continue to make meaningful strides toward improving mobility and safety, maintaining quality of life, and providing opportunities for economic development in the Five Points area.

Sincerely,

Ms. Nicole Majeski
Secretary
Delaware Department of Transportation
800 South Bay Road
Dover, Delaware 19901

Mr. Todd Lawson
Administrator
Sussex County
2 The Circle
Georgetown, Delaware 19947

INTRODUCTION

This annual report documents activities in 2021 for Phase 2 of the Five Points Transportation Study. The goal of Phase 2 is to implement the Phase 1 Working Group recommendations in a process led by the Delaware Department of Transportation (DelDOT) and Sussex County (the County), informed by the Phase 2 Working Group and the public.

Origin of the Five Points Transportation Study

The area surrounding Five Points in eastern Sussex County has been one of the most rapidly growing parts of Delaware for many years. Five Points has long been known as an important gateway to Delaware's beach area. Residents of the area also know it as a transportation bottleneck. Growth in the area and continued popularity as a tourist destination place more demands on the transportation system year after year.

Phase 1

To address these challenges, DelDOT and the County partnered in December 2017 to create the Five Points Transportation Study Working Group. The Phase 1 Working Group included a broad cross section of public and agency members designed to fully represent the variety of opinions and perspectives in the area. Groups represented include residents, business community members, State and County elected officials, and agency representatives at the state, county, and municipal levels. The Phase 1 Working Group was charged with developing recommendations to improve local traffic circulation at Five Points and in the surrounding area. Support was provided by DelDOT staff and consultants, collectively known as the Project Team.

Phase 1 was conducted from December 2017 to October 2018. During that period the Phase 1 working group met ten times and conducted two public workshops. The working group developed 78 recommendations, which are documented in the Phase 1 Final Report published in October 2018 that can be viewed on the Five Points website: 5points.deldot.gov. The recommendations were organized into five categories:

- A. Already being addressed by existing DelDOT projects or initiatives (as of the end of Phase 1)
- B. Implement policies and procedures to make the area more efficient, sustainable and beautiful
- C. Make the most of existing roadway infrastructure
- D. Make walking, bicycling, and transit more viable as alternatives to driving
- E. Invest in new infrastructure to support anticipated growth

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Phase 2

Phase 2 consists of the implementation of the 78 recommendations. A Phase 2 Working Group was established in 2019, with the primary purpose of providing input to DelDOT and the County on implementation of the Phase 1 recommendations. In addition, the Phase 2 Working Group process focuses on education and engagement. At Working Group meetings, presentations are given on a variety of relevant transportation issues, questions are answered about DelDOT and County initiatives, and the Phase 2 Working Group is asked to share information with their constituents on the implementation plan and other topics of interest.

The 2021 Phase 2 Working Group had 19 members, including 11 members who served in Phase 1 and six new members who joined in 2021.

2021 WORKING GROUP MEMBERS

Mr. Robert Fischer*
Mr. Josh Grapski
Mr. Scott Green*
Councilman Doug Hudson
Mr. DJ Hughes*
Ms. Carole Kohr
Mr. Todd Lawson*
Sen. Ernesto B. Lopez*
Mr. Glenn Marshall
Ms. Carol Materniak
Councilman Mark Schaeffer
Mr. Lloyd Schmitz*
Rep. Peter Schwartzkopf*
Rep. Steve Smyk*
Ms. Pamela Steinebach (Oct.-Dec.)
Ms. Kim Hoey Stevenson
Mr. Josh Thomas* (Jan.-Aug.)
Ms. Ann Marie Townshend*
Mr. Michael Tyler
Ms. Gail Van Gilder*

* also served on Phase 1 Working Group

During 2019 and 2020, the first two years of Phase 2, DelDOT and Sussex County acted upon 40 recommendations in addition to seven recommendations that were incorporated into existing DelDOT projects already in progress. By the end of 2020, 47 of the 78 recommendations, or half, were Complete, Ongoing, or In Progress.

In the fall of 2021, DelDOT and Sussex County evaluated the recommendations they could reasonably begin to implement in 2022. Recommendations that were not already in progress, ongoing, or incorporated into existing projects were classified as either To Be Initiated in 2022 or Longer-Term.

2021 marked the second year of the COVID-19 pandemic and its impacts on everyone's lives. However, DelDOT continued to carry out normal business and advancing its projects, with the main impact being that all meetings had to be conducted online.

The Phase 2 Working Group met quarterly in 2021. An online open house was held on two dates in May to present the 2020 Annual Report and allow the public to comment and ask questions.

In each month where there was no Working Group meeting, an email update was sent to Working Group members and the public and was placed on the study website.

In 2021, implementation began for all seven recommendations that were classified as priorities for the year, and an additional recommendation was started. At the end of 2021, 55 of the 78 recommendations – or 70 percent – are Complete, Ongoing, or In Progress.

The following sections provide information on 2021 meetings and activities, details on progress made in 2021, and proposed priorities for 2022. An appendix provides more detail on the status of each individual recommendation. A public workshop is scheduled for May 2022 to present this information.

MEETINGS AND ACTIVITIES IN 2021

Five Points Working Group Meetings

The plan was to hold virtual Working Group meetings quarterly in 2021 due to the ongoing COVID-19 pandemic. An online meeting using DelDOT's WebEx platform was held in January. Working group meetings in April, July, and October were held using DelDOT's Zoom platform, which was found to be more user friendly. The public was invited to attend these online meetings and to make comments. Public attendance averaged approximately 30 people per meeting. Meeting materials and the minutes of each meeting, as well as recordings of the online meetings, were placed on the study website.

In addition to status reports, speakers presented information on topics relevant to the Five Points area. Presentation information is available on the Five Points website – 5points.deldot.gov – in meeting packets posted for each meeting.

January 25, 2021: conducted online

Sarah Coakley, Principal Planner for DelDOT, presented an overview of the Henlopen Transportation Improvement District (TID), including a review of the following:

- TID development process
- Recommended transportation improvements
- Infrastructure fee program
- Monitoring program

April 26, 2021: conducted online

Kelly Valencik, the DelDOT Byways Coordinator, and Mary Roth, the Executive Director of Delaware Greenways presented an overview of the Delaware Byways Program. Their presentation included information on what byways are and where they are located. Both the Delaware Bayshore Byway and the Historic Lewes Byway are located within the Lewes and Five Points area.

July 26, 2021: conducted online

Jeff Riegner, Project Manager for the Route 1 Pedestrian Bridge Study and Five Points Transportation Study, provided an update on the Route 1 Pedestrian Bridge Study, which is intended to address recommendation D-6, "Study the feasibility of pedestrian bridges over Route 1 at specific locations."

October 25, 2021: conducted online

Shanté Hastings, Deputy Secretary and Chief Engineer for DeIDOT, gave a presentation on the Five Points intersection in response to the high level of interest from the public for Recommendation E-1, “Study the feasibility of a grade separated intersection (GSI) at Five Points.” The presentation included a review of the following:

- Previous Five Points GSI study
- What has changed since the previous study?
- What has DeIDOT been doing to address the Five Points area?
- What steps are involved with a new Five Points GSI study?

Shanté explained multiple reasons why DeIDOT wants to complete other already scheduled improvements before proceeding with a study of a grade separation at the Five Points intersection.

- Addressing other Working Group recommendations will improve traffic operations
- Current proposed improvements can be completed sooner and will relieve some traffic congestion
- DeIDOT needs to see how these other improvements may alter traffic patterns at the Five Points intersection; DeIDOT wants to make smart improvements
- Improvements to other roads need to be completed before construction starts on Five Points intersection. The community will need alternative routes to get around during construction closures.

DeIDOT plans to allow some time for the other projects in the area to move forward. At some point a decision will be made as to when to move forward with a Five Points GSI study

Public Workshop - Online Open House

An online Open House was held to present the contents of the 2020 Annual Report and describe progress made in 2020 on implementation of study recommendations. Two drop-in sessions were held, on Monday, May 17 and Wednesday, May 19, 2021 to maximize opportunities for the public to attend. In total, 43 people attended. Nearly half of workshop comments and online survey responses were focused on the Five Points intersection itself.

CTP for FY 23 - 28

On February 24, 2022, the Council on Transportation approved DelDOT's FY 23 – FY 28 Capital Transportation Program (CTP). FHWA is expected to approve the FY 23 – FY 28 CTP in fall of 2022.

Nine new projects in Sussex County were added to the FY 23 – FY 28 CTP. Three are in the area of Five Points:

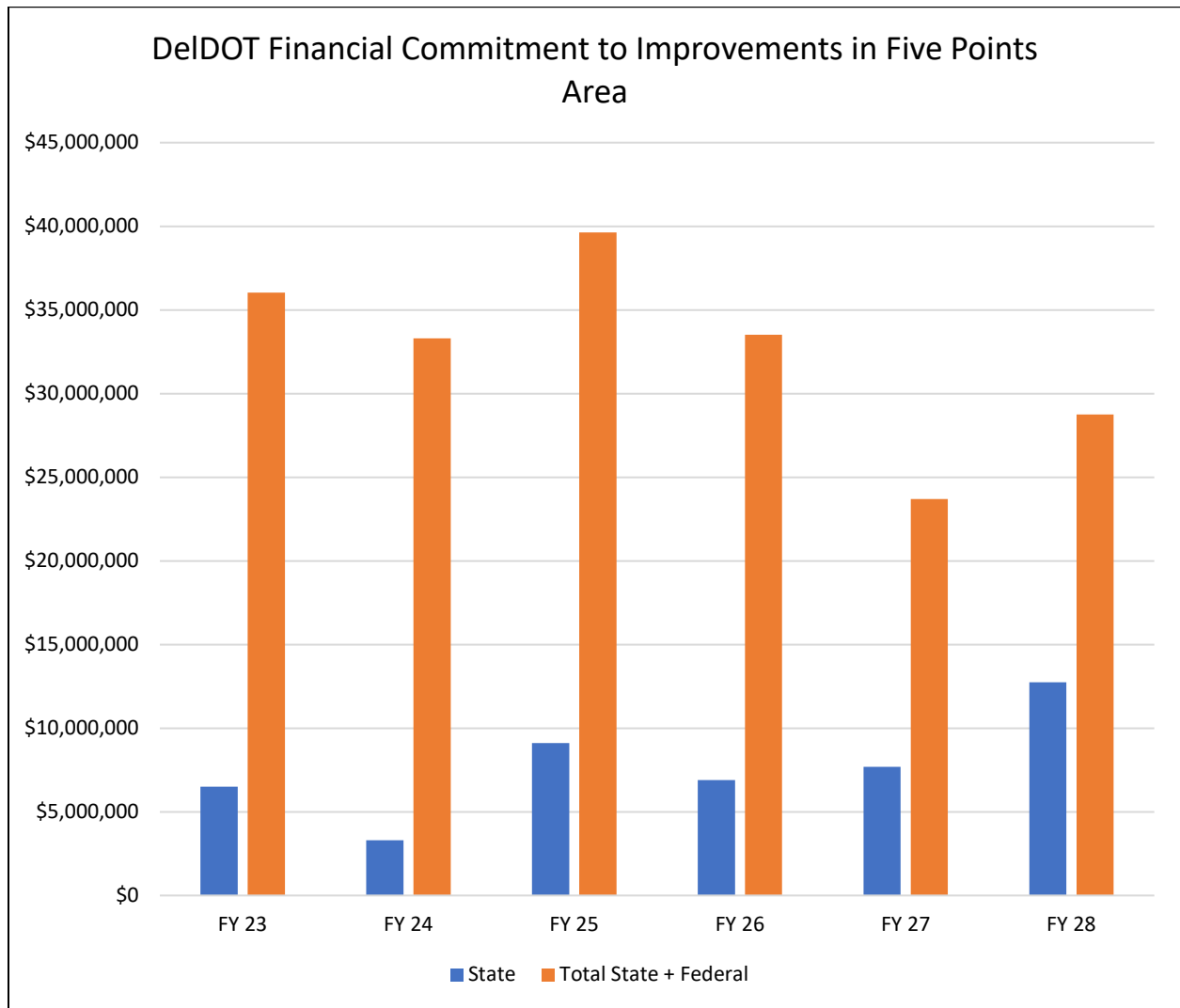
- Mulberry Knoll Road (Cedar Grove Road to US 9 at Old Vine Road) Extension
- Postal Lane (Linden Lane to SR 1) Improvements
- Shady Road (Plantation Road to SR 1) Improvements

Preliminary engineering for all three projects is planned to begin in FY 28.

Seven Five Points area projects are carried forward from the previous CTP, for a total of 13 projects in the area of Five Points:

- SR 1 and Cave Neck Road Grade Separated Intersection
- SR 1, Minos Conaway Grade Separated Intersection
- US 9 and Minos Conaway Intersection Improvement
- US 9 Widening (Old Vine Blvd. to SR 1)
- Airport Road Extension, Old Landing Rd to SR 24
- Beaver Dam Road Widening (SR 1 to Dairy Farm Road)
- Cave Neck Road, Hudson Road, and Sweetbriar Road Intersection Improvement
- New Road (Nassau Road to Old Orchard Road)
- Old Landing Road and Warrington Road Intersection Improvement
- Plantation Road Improvements, Robinsonville Road to US9 (Phase 1)
- Plantation Road Improvements SR 24 to Robinsonville Road (Phase 2)
- US 9, Kings Highway, Dartmouth Drive to Freeman Highway
- Realignment of Old Orchard Road at Wescoats Corner

The financial commitment of state funds made by DelDOT for capital projects in the Five Points area over the next six fiscal years totals over \$46,000,000. In addition, DelDOT plans to allocate over \$148,000,000 of its federal transportation funds to these projects. **This will result in a total six-year investment of more than \$194 MILLION in the Five Points area.**



Other transportation projects in the next six fiscal years include a safety improvement project at the intersection of Dairy Farm Road and Beaver Dam Road/Fisher Road, as well as improvements to the New Road bridge over Canary Creek, with work currently scheduled to begin in fall of 2024. Costs of these projects are within county-wide or state-wide budget numbers rather than individual CTP line items.

Five Points Transportation Study Website

During Phase 1, DelDOT established a website, 5points.deldot.gov, to serve as an information portal for stakeholders and the public, where all project-related materials and activities could be viewed and/or downloaded.

In March 2020 a redesigned Five Points website went live. The website is regularly updated to include Working Group meeting and workshop announcements, as well as Working Group meeting materials. The Implementation Plan showing current status of all the Five Points recommendations is provided on the website. The website includes reports from current and previous studies undertaken in the Five Points area, as well as links to the DelDOT website project pages for projects in the Five Points area. DelDOT press releases relating to the Five Points Transportation Study and all the monthly email updates sent to the public are also available on the website.

The website was visited 86 times over the course of 2021, or an average of 7 times per month. Page views spiked in late-July through early August, which coincides with the posting of information related to the July 26 Working Group meeting.

Delaware.gov Agencies News Topics Contact

ABOUT CITIZEN BUSINESS SERVICES CONTACTS TRANSLATE

DELAWARE DEPARTMENT OF TRANSPORTATION

Five Points Transportation Study

Five Points Transportation Study

About this Study

The Five Points Transportation Study (the Study) is a joint effort developed by DelDOT and Sussex County to examine potential improvements to the area around the intersection located at Routes 1 and 9 near Lewes also known as Five Points. Based on transportation issues in this area, the Study seeks to reduce congestion and improve capacity on Route 1.

The study began with Phase 1, Five Points Working Group, which was composed of elected officials, DelDOT and Sussex County representatives, as well as local residents and businesspeople. The Study has moved into Phase 2 – Implementation which involves the development and execution of studies, projects and plans based on the Working Group's 78 recommendations.

Phase I was completed in the fall of 2018 and Phase 2 began in spring 2019 to further the **Implementation Plan** with Working Group support and involvement.

Study Area Map

Next Working Group Meeting
No Upcoming Meetings

Subscribe to Five Points Email Updates
(Log in, go to Subscriptions, Manage Subscriptions, and search for Five Points)

Email Updates – “Following Five Points”

“Following Five Points” email updates continue to provide Working Group members and the public with regular project information and updates. Email updates are typically sent during the months when the Working Group did not meet. In 2021 the Five Points Transportation Study team disseminated additional email updates based on various communication needs of the Five Points Transportation Study, DelDOT, and other ongoing projects in the Five Points area. Email updates were distributed in February, March, April, May, June, July, August, September, November, and December 2021. Regular email updates included a recap of the most recent Working Group meeting and announcements of upcoming Working Group meetings; announcements/invitations to public events (workshops, webinars, information sessions, etc.) for the Five Points Transportation Study and other DelDOT projects within the Five Points area; updated resources/information for other on-going projects in and around the Five Points area; and an educational segment called the “Knowledge Corner” that provides information on a transportation topic related to the Five Points Transportation Study or other DelDOT efforts. Special email updates in 2021 included online public workshop announcements for area projects, construction updates, and reminders for the Five Points Transportation Study online public workshops that were held in May. The email updates continue to allow for more consistent communication from the Study Team to the Working Group and the public on transportation topics affecting the Five Points area. Additionally, based on survey feedback received as part of the May online public workshops, 48 percent of survey respondents like the amount of information provided in the “Following Five Points” email updates.

The distribution list for the “Following Five Points” email updates was originally developed in 2018 and 2019 from in-person Working Group meeting and public workshop sign-in sheets. Over the course of the study, the distribution list has continued to be updated and was updated in 2021 to reflect changes to Working Group members or local elected officials; individual requests to be added to the list; and registration and attendance at online Working Group meetings and online public workshops. In terms of distribution, the February 2021 “Following Five Points” email update was sent to 369 people while the December 2021 email update was sent to 482 people, representing a 30 percent increase in subscribers. Many of the new contacts were added to the distribution list because they had registered for and/or attended one or more of the May online public workshops, however it was also updated to include entire groups from local Homeowner Associations (HOA) and staff from coordinating departments within DelDOT. The Following Five Points email updates continue to be a popular read with subscribers, with nearly 50 percent of subscribers opening and reading the articles in each issue.

	2020	2021	Change from 2020-2021
Distribution List	369	482	113
Email Updates Sent	15	11	-4
Average Opens	150	199	49
Average Open Rate	54.3%	52.9%	-1.4%

Public Workshops for Current Projects Related to the Five Points Transportation Study

Four public workshops related to projects in the Five Points area were conducted in 2021. All workshops were held online.

- **Munchy Branch Road Multi-Use Trail**

Two half hour presentations were held on January 13, 2021, 4:30 PM

- **SR24 Corridor Improvements Construction Informational Presentation**

An informational presentation was held on February 25, 2021, 05:00 PM for the proposed roadway improvements along the SR24 Corridor in Sussex County.

- **Mulberry Knoll Road Extension Planning and Environmental Linkages (PEL) Study**

A public workshop was held on October 26, 2021, 04:00 PM for this study which is evaluating possible transportation improvements to the North-South corridor that parallels Coastal Highway (SR 1) and Plantation Road, between Lewes Georgetown Highway (US 9) and Cedar Grove Road in Sussex County. The study is being prepared to identify a recommended corridor for potential future project implementation.

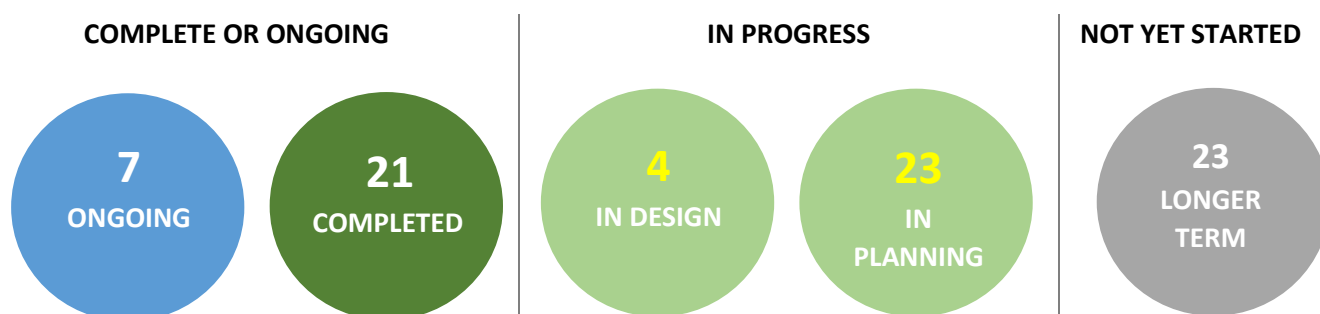
- **Cave Neck Road, Hudson and Sweetbriar Roads Intersection Improvements**

A workshop was held on November 16, 2021, 3:30 PM for the proposed roadway improvements at the intersection of Cave Neck, Hudson and Sweetbriar Roads in the area of Milton, Delaware in Sussex County. The workshop began with a presentation by DelDOT's project team then followed by a live question and answer session.

IMPLEMENTATION STATUS SUMMARY

By the end of 2021, of the 78 recommendations, 23 were in progress, including all five that were listed as agency priorities for initiating work in 2020, and 18 were completed. Three recommendations were changed to Ongoing in 2021, bringing the total Ongoing to six. Work for Ongoing recommendations is part of DelDOT's or the County's core responsibilities and is performed on a regular basis.

Status of recommendations at the end of 2021



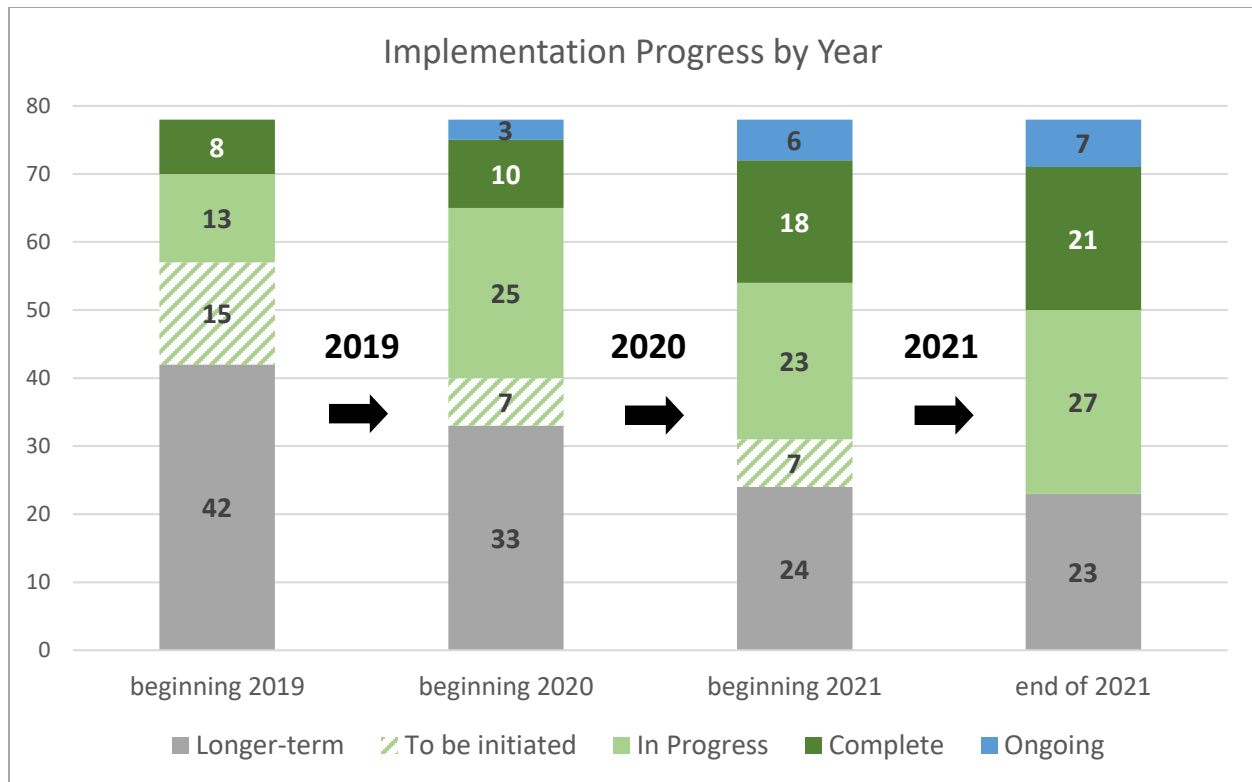
Progress Made During 2021

At the beginning of 2021, 47 of the 78 recommendations were in progress, complete, or ongoing ("ongoing" meaning that work will continue to be performed on a regular basis, whereas work "in progress" will be "complete" at some point).

For example, recommendation B-1, "Require new developments to plan for interconnections to any future development areas and monitor to ensure implementation" is classified as ongoing, since new development applications are submitted regularly, and this recommendation will apply indefinitely. Recommendation B-2, "Consider modifications to land development requirements and/or the Development Coordination Manual..." is "in progress," since staff at the County and DelDOT are working to revise these documents, and once those revisions are done the status of this recommendation will change to "completed."

At the beginning of 2021, 31 of the 78 recommendations had not yet been started. The Implementation Plan called for initiating action in 2021 on seven longer-term recommendations, while also continuing work already in progress.

Six recommendations that had been considered "Longer-Term" in 2020 were initiated in 2021 and their status changed to "In Progress". One additional recommendation that was initiated in 2021 was completed. Two recommendations that were in progress at the beginning of 2021 were also completed. One recommendation that was in progress at the beginning of 2021 was changed to "Ongoing". By the end of 2021, 55 of the 78 recommendations were in progress, complete, or ongoing, while only 23 had not yet been started, as shown in the following chart.



The progress made within the categories is summarized below. More detailed information is provided in the Appendix, which describes progress for each individual recommendation including any change of status that occurred in 2021.

Category A: Recommendations to be implemented under current DelDOT projects or initiatives

STATUS	Beginning of 2021	End of 2021	Change
Complete	5	5	-
Ongoing	0	0	-
In Progress	2	2	-
Initiate in 2021	0	0	-
Longer Term	0	0	-
TOTAL	7	7	-

Category B: Implement policies and procedures to make the area more efficient, sustainable and beautiful

STATUS	Beginning of 2021	End of 2021	Change
Complete	5	5	-
Ongoing	5	5	-
In Progress	5	7	+2
Initiate in 2021	2	0	-2
Longer Term	10	10	-
TOTAL	27	27	-

Category C: Make the most of existing roadway infrastructure

STATUS	Beginning of 2021	End of 2021	Change
Complete	7	9	+2
Ongoing	1	2	+1
In Progress	6	5	-1
Initiate in 2021	1	0	-1
Longer Term	5	4	-1
TOTAL	20	20	-

Category D: Make walking, bicycling, and transit more viable as alternatives to driving

STATUS	Beginning of 2021	End of 2021	Change
Complete	1	2	+1
Ongoing	0	0	-
In Progress	7	10	+3
Initiate in 2021	4	0	-4
Longer Term	3	3	-
TOTAL	15	15	-

Category E: Invest in new infrastructure to support anticipated growth

STATUS	Beginning of 2021	End of 2021	Change
Complete	0	0	-
Ongoing	0	0	-
In Progress	3	3	-
Initiate in 2021	0	0	-
Longer Term	6	6	-
TOTAL	9	9	-

NOTABLE ACHIEVEMENTS

Construction

The Five Points Transportation Study is about more than just analyses and reports. Through combined efforts, the many groups within DelDOT and Sussex County government continued to implement Five Points Transportation Study recommendations and advance projects already in progress to make actual changes on the ground.

Improvements that have been constructed during 2021 include:

- Installation of radar speed sign on southbound Route 1 approximately 415 feet south of Nassau Road.
- Delaware Transit Corporation upgraded and improved transit shelters in the Five Points study area with the new statewide standard shelter.
- Installation of Rectangular Rapid Flashing Beacons (RRFBs) at the trail crossing of Freeman Highway near Cape Henlopen Drive.
- Installation of a crosswalk across Kings Highway at Gills Neck Road outside of Cape Henlopen High School.
- Installation of a right hand turn lane on to US 9 from Minos Conaway as part of a pavement rehabilitation project.
- Widened SR 24 between Mulberry Knoll and Route 1.

The construction schedule for DelDOT projects in the Five Points study area is illustrated in the following table. Three of the planned projects are not yet scheduled (noted as TBD in the table). The current CTP covers FY 2023 – 2028; therefore, projects shown in years after 2028 have a less certain estimate of start of construction.



Rectangular Rapid Flashing Beacons (RRFBs) on Freeman Highway

DelDOT Capital Transportation Program and Traffic Projects

Project	Estimated Construction Year									
	21	22	23	24	25	26	27	28	29	30
SR 1/Cave Neck Road Crossover Improvements										
US 9 and Minos Conaway Interim Improvements										
Savannah Road Sidewalk improvements										
Munchy Branch Road shared use path										
Plantation Road Improvements, SR 24 to US 9										
SR 1 Intersection Improvements										
SR 1 & Kings Highway right-turn modification										
SR 1 & US 9 southbound U-turn										
Extend SB U-turn on SR 1 at Old Landing										
SR 24, Love Creek to Mulberry Knoll Road										
Realignment of S269A (Old Orchard Road) at Wescoats Corner										
SR 1, Minos Conaway Road Grade Separated Intersection										
BR 3-714 on S266 New Road over Canary Creek										
SR 1 and Cave Neck Road Grade Separated Intersection										
Cave Neck, Hudson, and Sweet Briar Rd intersection (FAST Track)										
Airport Road extension, Old Landing Rd. to SR 24										
Old Landing Rd and Warrington Rd Intersection Improvement										
US 9, Kings Highway, Dartmouth Drive to Freeman Highway										
US 9 and Minos Conaway Intersection Improvements										
US 9 Widening (Ward Ave. to Old Vine Blvd)										
New Road, Nassau Road to Old Orchard Road										
Beaver Dam Road Widening, SR 1 to Dairy Farm Road*										
Postal Lane (Linden Lane to SR 1) Improvements										
Mulberry Knoll Road (Cedar Grove Rd. to US 9) Extension										
Shady Road (Plantation Rd. to SR 1) Improvements										

*The Beaver Dam Road Widening project now includes Dairy Farm Rd & Beaver Dam Rd/Fisher Rd Intersection Improvement which appeared as a separate project in the 2020 Annual Report.

DeIDOT and Lowe's executed an agreement for construction of direct access from SR 1

This agreement will allow for access to Lowe's from Route 1 through the Lewes Transit Center property. Currently, Lowe's patrons can only access the Lowe's parking lot via Plantation Road.

Sussex County secured a permanent easement in Nicola Pizza property that would allow a future connection between Route 1 and Savannah Road via the Arby's driveway

Sussex County approved the Nicola Pizza site plan with the easement language. Further progress is on hold until the Arby's property is redeveloped. Traffic conditions in the vicinity will be monitored during the Old Orchard Road realignment construction.

"YOUR SPEED" sign installed on SR 1 southbound approaching Nassau Bridge

In summer of 2021, DeIDOT designed and installed a "YOUR SPEED" sign on SR 1 southbound approximately 400 feet south of Nassau Road (northern access point). This completed Working Group recommendation **C-14: Study the feasibility of installing a "YOUR SPEED" display on southbound Route 1 at Nassau Road**. Funding for the installation was provided by our legislators who designated Community Transportation Funds for this project.



Speed sign on SR 1 south of Nassau Road looking south

Development coordination to achieve implementation of Five Points recommendations

In conjunction with proposed development of Coastal Station on the east side of Route 1 at Holland Glade Road, the HAWK signal will be removed and replaced with a full signal and a four-way intersection. A driveway to the Rehoboth Outlets will be relocated as a fourth, western leg to the intersection. This is consistent with Five Points recommendation C-20, "Study the feasibility of replacing the HAWK signal with a full signal at Holland Glade Road, potentially with a fourth leg at the outlets." Coordination with the developer occurred in 2020 to bring about this result and to determine which turning movements will be provided at the intersection. At the end of 2020, the intersection was in final design.

PRIORITIES FOR 2022

The following four recommendations are planned for initiation in 2022.

- **B-8: Study the feasibility of a parking management system to alert travelers when parking lots at major destinations are full**
- **B-10: Endorse “don’t block the box” legislation with camera enforcement.**
- **C-16: Study the feasibility of providing driveway access from Beacon Middle School and Love Creek Elementary School onto Mulberry Knoll Rd.**
- **D-3: Develop design guidance to separate pedestrians and bicyclists from highway traffic using aesthetic treatments.**
- **E-4: Evaluate the potential transportation benefits, costs, and impacts of a new road connecting Route 1 north of Five Points and the Vineyards.**

In addition, work will continue on recommendations that are already in progress. In particular, the project team is aiming to advance recommendation **D-4: Develop concepts and estimates for filling all sidewalk gaps along New Road and Old Orchard Road**, and **D-5: Develop concepts and estimates for filling all sidewalk gaps along Savannah Road between Lewes and Five Points.**

Other relevant activities that will continue in 2022 include coordination with developers to take advantage of opportunities to incorporate improvements that further the Five Points Transportation Study recommendations, as well as the operation and management of the Henlopen TID.

APPENDIX: STATUS OF RECOMMENDATIONS

Each of the 78 recommendations of the Five Points Phase 1 Working Group is listed, with information describing status as of end of 2021, and as applicable, activities completed during the past year, next steps, and anticipated schedule.

Category A - Recommendations to be implemented under current DelDOT projects or initiatives (as of the end of 2021)

A-1: Review the need for grade separating or restricting crossings between Frederica and Lewes before eliminating signals in this area

Status at beginning of 2021
COMPLETE

Status at end of 2021
COMPLETE

Studies have been completed, with results presented to the Five Points Working Group in October 2019. DelDOT is proceeding with a program of grade separations and crossover improvements.

In 2016 and again in 2019, DelDOT conducted in-depth studies to understand the magnitude of safety and congestion concerns in this area, and specifically to determine what traffic impacts might be caused by removal of the signal at SR 16. Study results were presented at the October 28, 2019, Working Group meeting. DelDOT found that:

- Replacement of traffic signals to the north at Little Heaven and Thompsonville Road with grade separated intersections did not cause traffic concerns at SR 16, the next traffic signal to the south of those locations. Similarly, it is expected that replacement of the traffic signal at SR 16 with a grade separated intersection will not cause traffic concerns at Five Points, the next traffic signal to the south.
- At SR 1's intersections with major side roads, particularly Cave Neck Road and Minos Conaway Road, there are very few gaps in peak summer Saturday traffic to allow drivers to turn left onto SR 1. DelDOT's field studies confirm resident observations in this regard. However, replacement of the traffic signal at SR 16 with a grade separated intersection will only affect gaps close to SR 16. At Cave Neck Road and Minos Conaway Road, gaps in traffic are not influenced by the signal at SR 16 and will not be affected by its removal. Therefore, the SR 16 grade separation will proceed on its current schedule.

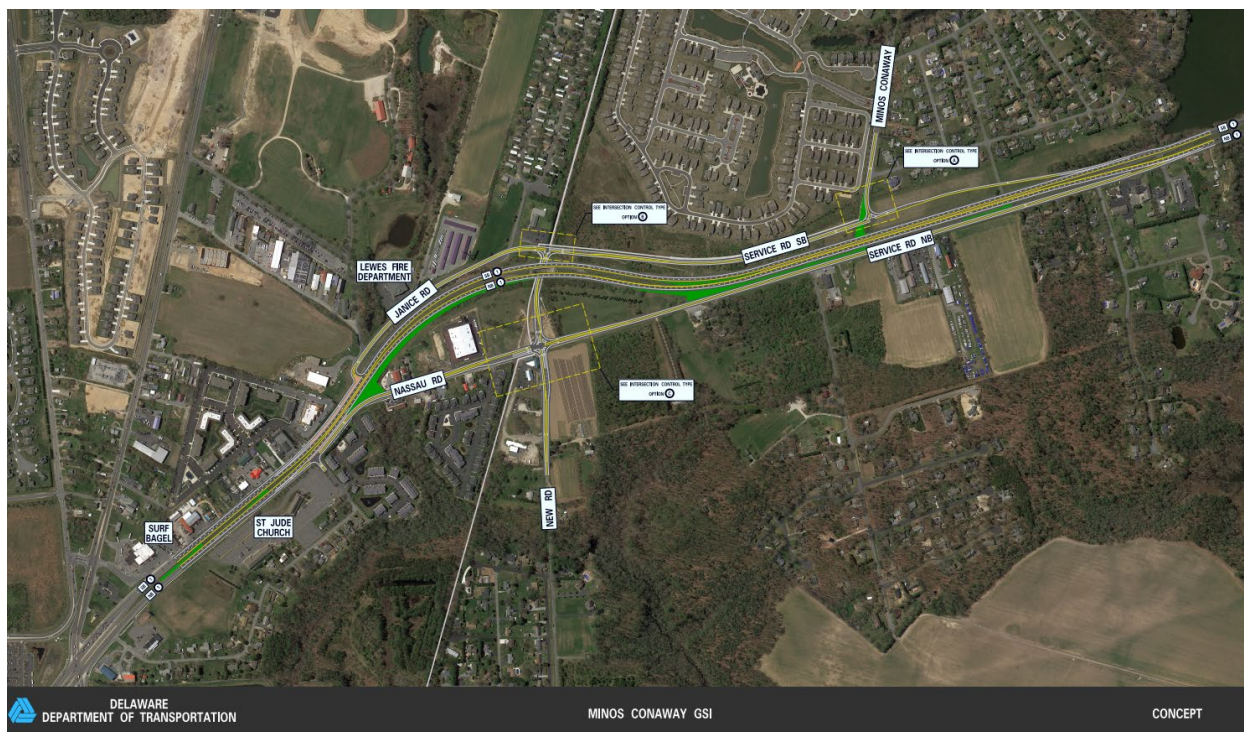
DelDOT has a path forward to address safety and congestion concerns in this portion of Sussex County with a program of grade separations and crossover improvements. All projects are moving forward as quickly as possible through the mandated project development process. It is important to understand that delaying any one of these projects would not accelerate the others, but instead would only delay the safety benefits afforded by that project to the traveling public.

A-2: Evaluate Tulip Drive connection to Route 1 as part of the Minos Conaway Road grade separation project

Status at beginning of 2021
COMPLETE

Status at end of 2021
COMPLETE

The Tulip Drive connection to Route 1 is now part of the SR 1/Minos Conaway Road grade separation project. The project includes two-way service roads on both sides of SR 1. Tulip Drive will intersect the two-way service road on the east side of SR 1, which leads to the grade separation at New Road. Left turns from southbound SR 1 to Tulip Drive and left turns from Tulip Drive to southbound SR 1 will be made via this grade separation and the service roads. Construction is expected to take place in 2023-2025.



A-3: Study the feasibility of increasing the proposed Route 24 bypass of Millsboro from one lane in each direction to two lanes in each direction

Status at beginning of 2021
COMPLETE

Status at end of 2021
COMPLETE

This effort was completed as part of the US 113 Millsboro-South Area Supplemental Draft Environmental Impact Statement (DEIS). A two-lane bypass was found to be adequate for future demand.

A-4: Study options for signage to direct appropriate traffic, i.e. local, boat, U of D and walking/biking areas, under the Nassau Bridge

Status at beginning of 2021
IN PROGRESS

Status at end of 2021
IN PROGRESS

Sussex County Tourism has developed the plan for destination signing on SR 1 in the “Delaware Beaches Route 1 Corridor Wayfinding Program”, including eligible destinations and sign appearance. The boat ramp is identified as a major destination eligible for signing on Route 1. As of the end of 2021, funding was not available for sign installation. Directional signs that are installed as part of DelDOT’s Minos Conaway project will have a look that is consistent with the Sussex County Tourism design scheme. Documentation of Minos Conaway project signing will be available when semi-final plans are completed, and the public will have the opportunity to comment. Coordinate with recommendation B-24.

A-5: Evaluate one-way service roads as part of the Minos Conaway Road grade separation project

Status at beginning of 2021
COMPLETE

Status at end of 2021
COMPLETE

Service roads on both sides of SR 1 are now part of the project; they are two-way to provide better mobility and access to properties on both sides of SR 1.

A-6: Study the feasibility of extending the eastbound widening of Route 24 to Love Creek

Status at beginning of 2021
COMPLETE

Status at end of 2021
COMPLETE

The current SR 24 project, design of which is nearing completion, extends the four-lane section on SR 24 to a point west of Beacon Middle School. Widening to three lanes (one through lane in each direction plus a center left-turn lane) will extend to the Love Creek bridge. The Henlopen TID study anticipates that widening of the bridge will be needed by 2040.

A-7: Study the feasibility of widening or adding through lanes on Plantation Road from Route 24 to Cedar Grove Road and Postal Lane

Status at beginning of 2021
IN PROGRESS

Status at end of 2021
IN PROGRESS

The Mulberry Knoll Road Extension study which began in 2020 is studying widening of Plantation Road and/or an extension of Mulberry Knoll Road.

The Henlopen TID effort recommended an extension of Mulberry Knoll Road. It also analyzed widening of Plantation Road and found that if the proposed Mulberry Knoll Road Extension does not happen, Plantation Road may need two through lanes in each direction. With the completion of the Mulberry Knoll Road Extension, the need for dualization of Plantation Road is borderline. The Mulberry Knoll Road Extension study is now underway to evaluate these two alternatives in more detail. See recommendations E-2 and E-3.

**Category B – Implement policies and procedures to make
the area more efficient, sustainable, and beautiful**

B-1: Require new developments to plan for interconnections to any future development areas and monitor to ensure implementation

Status at beginning of 2021

ONGOING

Status at end of 2021

ONGOING

All subdivision applications are subject to pre-application meetings with county staff. Where the potential for interconnectivity to undeveloped parcels is identified, this is discussed with developers prior to application submittal.

This requirement is currently in the County's zoning code for commercial uses, and the Sussex County Planning & Zoning Commission are enforcing this on a regular basis. In their decisions, they have been clear that the Final Site Plan must show commercial interconnectivity.

The Planning & Zoning Commission has the ability to require interconnection to be provided and this is looked at on a case-by-case basis. There is provision within the Subdivision Code relating to interconnectivity.

B-2: Consider modifications to land development requirements and/or the Development Coordination Manual that require additional buffers/setbacks for all new developments for future road expansion

Status at beginning of 2021

IN PROGRESS

Status at end of 2021

IN PROGRESS

In 2020, the Sussex County Planning & Zoning Commission discussed a potential future revision to the Zoning Code to clarify the maximum extent to which parking may be permitted in the front yard setback. In addition, DelDOT has updated the Development Coordination Manual (DCM) to require greater width along two-lane principal arterials, which are the routes most likely to require future widening. The new requirement along two-lane principal arterials is 50 feet of right of way from the centerline of the road plus a 15-foot wide permanent easement outside the right of way on each side of the road. This results in a total clear width of 130 feet.

Sussex County's east-west roads are not principal arterials except Route 18/404. Changing right of way requirements on other road classifications would require another update to the DCM. DelDOT is currently updating Chapter 2 of the Development Coordination Manual – Traffic Studies. Chapter 3 deals with Right of Way. That update is not yet underway.

The Development Coordination Manual is in the Strategic Highway Safety Plan (Strategy 5.2 Revise DelDOT's Development Coordination Manual to require additional pedestrian infrastructure improvements related to new developments).

B-3: Study the feasibility and anticipated effectiveness of modifying signage, starting in Milford, to encourage through drivers (to points outside the Route 1 corridor between Lewes and Dewey Beach) to use Route 113, Route 5, Route 23, etc.

Status at beginning of 2021
COMPLETE

Status at end of 2021
COMPLETE



An additional sign was installed on southbound SR 1 south of Thompsonville Road to identify municipal destinations and distances via SR 1 and via US 113. Anticipated effectiveness of guide signs is decreasing as more and more people rely on GPS/route guidance systems. Also, SR 1 is designed for longer trips, higher speed, better shoulders and sight lines, and generally a higher standard of design than SR 5, SR 23, SR 30, etc. These roads have two lanes with no shoulders in some areas and no turn lanes at many intersections, so it's not desirable to direct large volumes of traffic along them.

DelDOT has installed variable message signs between Dover and Milford. As of 2020, Travel time messages are displayed on these variable message signs approaching the beach area. This information is also available on the DelDOT app.



B-4: Improve advance acquisition process to allow DelDOT to more quickly acquire land needed for transportation improvements and acquire available land within the Five Points Study Area (e.g., Creative Concepts)

Status at beginning of 2021
COMPLETE

Status at end of 2021
COMPLETE

New advance acquisition regulations were approved by the General Assembly in 2018. Now proactive purchases are feasible.

B-5: Study the feasibility of converting the Arby's driveway between Route 1 and Savannah Road into a publicly-accessible road

Status at beginning of 2021
IN PROGRESS

Status at end of 2021
IN PROGRESS

DelDOT negotiated a concept for connections through the Nicola Pizza Property. Sussex County approved the Nicola Pizza site plan with the easement language. Further progress is on hold until Arby's comes up for development. Coordinate with B-1 and C-12.

B-6: Incorporate more walkable, bikeable, mixed-use town centers into the comprehensive plan

Status at beginning of 2021
Longer-term

Status at end of 2021
Longer-term

B-7: Continue TID studies both east and west of Route 1

Status at beginning of 2021
IN PROGRESS

Status at end of 2021
COMPLETE

Discussions took place in 2019 regarding a Lewes TID on the east side of SR 1. Because most available land on the east side of SR 1 has already been developed or approved for development, there is limited value to a TID in this area.

The Henlopen TID study (west of SR 1) was completed in 2019 and a public workshop was held on February 5, 2020. After the public workshop, other activities in 2020 included establishing an infrastructure fee program, negotiating a TID agreement between DelDOT and Sussex County, and adoption of the TID by Sussex County Council on October 27, 2020.

The TID study recommendations are related to Five Points recommendations A-6, A-7, C-1, C-3, C-7, C-19, E-2, and E-3.

B-8: Study the feasibility of a parking management system to alert travelers when parking lots at major destinations are full

Status at beginning of 2021

IN PROGRESS

Status at end of 2021

IN PROGRESS

The major destination to be addressed is Cape Henlopen State Park. It is frustrating for visitors to travel from SR 1 to the Park only to find that the lots have been closed and they must return to SR 1. This also contributes to congestion on Savannah Road and Kings Highway.

DNREC manually counts the parking lots in the Park and closes the lots when full. DelDOT has reached out to DNREC to obtain information on their current parking count and monitoring practices and historic lot count data.

DNREC is getting ready to update the entrance to Cape Henlopen State Park and would like to explore adding automated counters for use in tracking parking occupancy.

The next step would be to identify alternative parking locations and direct visitors there. The Lewes Park and Ride parking only fills to capacity a couple times per year for major events. The Park and Ride could be used for Cape Henlopen State Park overflow parking if a means can be found to transport people between the Park and Ride and the State Park. Currently, DTC bus service from the Park and Ride only goes as far as the Cape May-Lewes Ferry.

B-9: Study enhancing New Road per Byway Master Plan

Status at beginning of 2021

ONGOING

Status at end of 2021

ONGOING

The final New Road Corridor Master Plan was published in December 2019 and can be viewed at <https://www.delawaregreenways.org/wp-content/uploads/2020/09/New-Road-Master-Plan-FINAL.pdf>

The New Road Master Plan was endorsed by the Lewes Mayor and City Council on July 13, 2020. In addition, they approved the Byway's request to transition to a citizen-led Byway Committee with representation from the City on the committee. The New Road bridge over Canary Creek is being designed in accordance with the Master Plan. Improvements along frontages of new development will be addressed by developer agreements. DelDOT Development Coordination will require appropriate treatments from the Corridor Master Plan in their reviews of new development applications for roadway access and traffic impacts to ensure Complete Streets.

B-10: Endorse "don't block the box" legislation with camera enforcement

Status at beginning of 2021

Longer-term

Status at end of 2021

To be initiated in 2022

This requires approval by the General Assembly. This recommendation will be led by elected officials.

B-11: Ensure cost savings from transportation projects within the study area are re-invested in projects within the study area

Status at beginning of 2021

Longer-term

Status at end of 2021

Longer-term

This requires approval by the General Assembly.

B-12: Study relaxed height limits as part of the comprehensive plan to increase density

Status at beginning of 2021

Longer-term

Status at end of 2021

Longer-term

This remains a longer-term initiative and is under consideration by Sussex County.

B-13: Study alternatives to both meter and slow southbound traffic approaching Five Points

Status at beginning of 2021

COMPLETE

Status at end of 2021

COMPLETE

DelDOT implemented speed reduction pavement markings in July 2019 along SR 1 southbound approaching the Nassau Bridge. Speed measurements taken in August 2019 show a 4-mph reduction in average speed (from 57 mph to 53 mph) and a 5-mph reduction in 85th percentile speed (from 63 mph to 58 mph).



B-14: Identify locations where trees can safely be planted within the right of way

Status at beginning of 2021

To be initiated

Status at end of 2021

IN PROGRESS

DelDOT already considers adding trees during the development of capital projects. At the January 2022 Working Group Meeting, DelDOT provided the Working Group with guidelines that govern how trees could potentially be planted within the right of way. At the April Working Group meeting, members will have the opportunity to provide input on desired locations for trees.

B-15: Identify all locations in the study area with poor drainage and make recommendations for potential inclusion in the Capital Transportation Program or developer requirements

Status at beginning of 2021

Longer-term

Status at end of 2021

Longer-term

B-16: Increase the importance of considering noise and lighting impacts of major transportation project recommendations per regulations

Status at beginning of 2021

ONGOING

Status at end of 2021

ONGOING

Lighting is installed based on DelDOT's *Lighting Design Guidelines*. Noise impacts of transportation projects are evaluated based on Federal requirements (23 CFR 772) and DelDOT's *Transportation Noise Policy*.

B-17: Evaluate the use of land made available by narrowing lanes for landscape and multi-modal trails or parks

Status at beginning of 2021

Longer-term

Status at end of 2021

Longer-term

B-18: Study potential locations and designs for aesthetically pleasing gateways to coastal Sussex County

Status at beginning of 2021

Longer-term

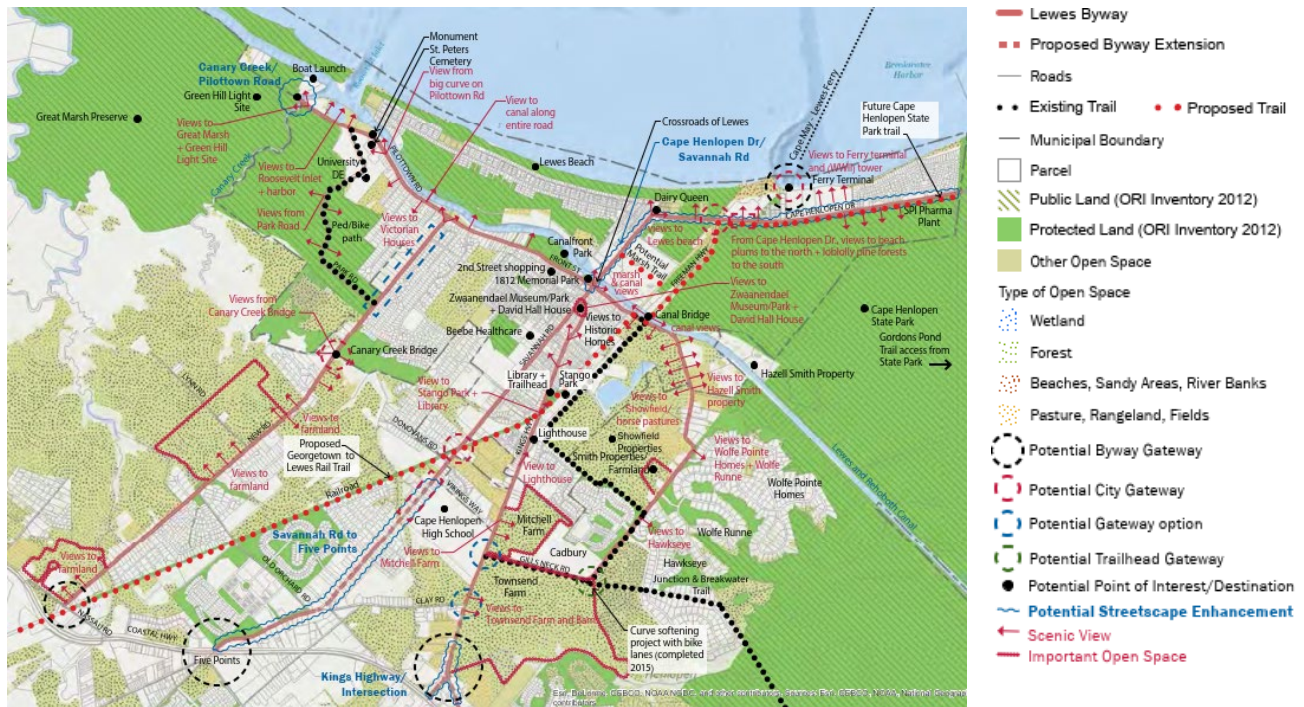
Status at end of 2021

Longer-term

Sussex County is primarily responsible for this recommendation, along with DelDOT, the City of Lewes, and the Historic Lewes Byway Committee.

The *Lewes Scenic and Historic Byway Corridor Management Plan*, published in October 2015, identified potential gateway locations at New Road/Nassau Road, SR 1/Savannah Road, and SR 1/Kings Highway as well as other gateway options.

DelDOT will investigate incorporating aesthetically pleasing gateway features at the New Road/Nassau Road intersection as part of the capital project for the SR 1/Minos Conaway Road grade separated intersection, which is currently under design.



Historic Lewes Byway enhancement map from October 2015 byway corridor management plan

B-19: Study the feasibility of mounting clear, consistent, day/night address/block numbering signage along Route 1

Status at beginning of 2021

Longer-term

Status at end of 2021

Longer-term

B-20: Consider whether CTP funding should be allocated based on population growth

Status at beginning of 2021

Longer-term

Status at end of 2021

Longer-term

B-21: Study frequency and causes of emergency vehicle preemption and make recommendations to balance emergency vehicle access with traveler mobility

Status at beginning of 2021

ONGOING

Status at end of 2021

ONGOING.

Minimizing the impact of pre-emption is an ongoing effort. New signal controllers that will enhance recovery from preemption were deployed along the corridor. The vendor is working with DelDOT's Traffic Management Team to continue updates to firmware.

B-22: Require bike parking as a condition of certain new developmentsStatus at beginning of 2021

ONGOING

Status at end of 2021

ONGOING

Discussions with developers occur as plans are submitted. Sussex County makes bike parking suggestions for some site plans. Sussex County staff encourage bike parking in appropriate locations, such as in multi-family developments, but this is decided on a case-by-case basis and is largely dependent on location.

B-23: Use an app to warn people of congestion on Route 1 and recommend alternative routesStatus at beginning of 2021

COMPLETE

Status at end of 2021

COMPLETE

The free DelDOT mobile app has been in place and is continually being updated. Through an established partnership, DelDOT and Waze exchange traffic data. The DelDOT app provides travel time information and real-time traffic advisories, as well as many other features.

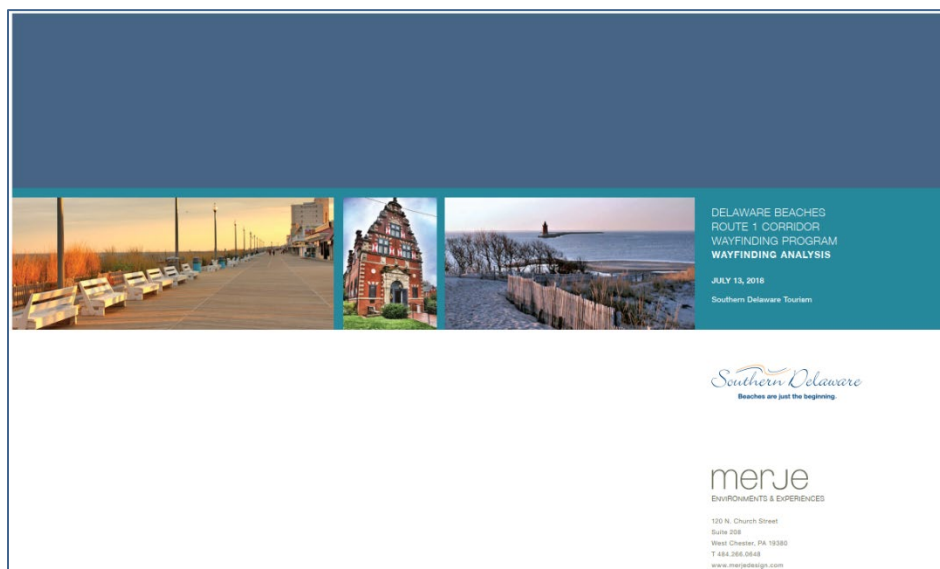
B-24: Improve tourism-oriented destination signage along Route 1Status at beginning of 2021

IN PROGRESS

Status at end of 2021

IN PROGRESS

Sussex County Tourism is taking the lead in this effort in conjunction with municipalities. A wayfinding consultant, MERJE, was engaged by Sussex County Tourism to develop a system for tourism-oriented destination signing. The report “Delaware Beaches Route 1 Corridor Wayfinding Program, Wayfinding Analysis” includes sign graphic design and eligibility requirements for destinations to be included on signs. Specific wayfinding sign locations and messages have not yet been designed. Sussex County Tourism is seeking additional funding to continue this effort.



B-25: Identify the costs and benefits of dedicating Nassau Commons Boulevard to public use

Status at beginning of 2021

IN PROGRESS

Status at end of 2021

IN PROGRESS

This effort was initiated in 2020. The Henlopen TID study recommended an upgrade of Nassau Commons Boulevard to provide a new connection between US 9 and Janice Road. This upgrade, estimated to cost \$5.7 million, is not funded.

Janice Road will be converted to a two-way service road under the SR 1/Minos Conaway Road grade separated Intersection project.

The developer of the Vineyards may be improving a portion of Nassau Commons Boulevard near US 9. DelDOT is investigating right of way issues, including maintenance.

B-26: Bring in nationally recognized planners and engineers to provide new, creative ideas that draw from examples in other parts of the country

Status at beginning of 2021

Longer-term

Status at end of 2021

Longer-term

B-27: Develop a better process for constituents to request transportation improvements

Status at beginning of 2021

To be initiated

Status at end of 2021

IN PROGRESS

DelDOT continues to develop the Project Pipeline Process, a new portal for the public to identify transportation issues and request improvements.

Information on the current process for identifying and programming transportation improvements is available at <https://deldot.gov/Publications/reports/CTP/index.shtml>.

Category C – Make the most of existing roadway infrastructure

C-1: Conduct a corridor study on Route 9 to determine the feasibility of widening to four lanes

Status at beginning of 2021

IN PROGRESS

Status at end of 2021

IN PROGRESS

Widening of Route 9 for two lanes each direction was recommended by the Henlopen TID study, with limits from Ward Avenue to about 900 feet west of Old Vine Boulevard. The study also recommended a two-way center left turn lane from about 250 feet east of Nicole Lane to Church Street.

A DelDOT planning study is underway for this effort. A project is programmed in the FY 21 - 26 CTP. The project development process began in October 2021. The Plantation Road project will complete the widening of Route 9 from Ward Avenue to Route 1.

C-2: Conduct a study at Route 9 and Minos Conaway Road to determine if a traffic signal is warranted and install a signal if warranted

Status at beginning of 2021

COMPLETE

Status at end of 2021

COMPLETE

The study is complete, recommending installation of a southbound right-turn lane on Minos Conaway Road and keeping stop sign control. A project for US 9 and Minos Conaway Road intersection improvements is programmed in the FY 21 - 26 CTP. The right turn lane was added to a paving rehabilitation project and construction is underway.

C-3: Initiate a capital project to improve the intersection of Old Landing and Warrington Road (developer funding and concept are available)

Status at beginning of 2021

COMPLETE

Status at end of 2021

COMPLETE

A project is programmed in the FY 21 - 26 CTP. Design is scheduled to start in 2025.

C-4: Improve the Canary Creek bridge on New Road to reduce flooding

Status at beginning of 2021

IN PROGRESS

Status at end of 2021

IN PROGRESS

A project has been initiated under DelDOT's Bridges/State of Good Repair budget, and design is underway. Online public information meetings were held in June and August of 2021. Final right of way approval has been received. Construction is anticipated to begin in Fall of 2023.

C-5: Improve the intersection of Cave Neck Road, Sweet Briar Road, and Hudson Road

Status at beginning of 2021

IN PROGRESS

Status at end of 2021

IN PROGRESS

A project is programmed in the FY 21 - 26 CTP. It was scheduled to begin design in 2025.

However, Sussex County approved the FAST program (Funding Accelerating Safety in Transportation), which set aside County funding to accelerate projects that are on the DelDOT's CTP. The first project within Sussex County to be funded with FAST funding is the intersection of Cave Neck Road, Sweet Briar Road and Hudson Road. Under the FAST program, design began in early 2021. DelDOT presented alternatives to Council in November. A public workshop was held November 16, 2021. A preferred alternative is scheduled to be selected in early 2022 and design complete in early 2024.

C-6: Study the feasibility of lengthening left- and right-turn lanes throughout the study area

Status at beginning of 2021

IN PROGRESS

Status at end of 2021

IN PROGRESS

DelDOT Traffic evaluated locations suggested by Five Points Working Group members at the January 27, 2020 meeting. All but two locations have been incorporated into other DelDOT projects. DelDOT is looking at the potential to add southbound Route 1 at Dartmouth Drive to the Kings Highway capital project. Southbound Route 1 at Ames Drive will be re-evaluated after changes are completed at Holland Glade Road. Design is underway on southbound Route 1 at Old Landing Road. A pavement rehabilitation project now under construction at Minos Conaway Road from Route 9 to Brittany Lane is adding the right turn lane at US 9.

C-7: Study the feasibility of improving Minos Conaway Road with appropriate lane widths, shoulder widths, turn lanes, curvature, etc.

Status at beginning of 2021

IN PROGRESS

Status at end of 2021

IN PROGRESS

A curve compliance study was completed in February 2019 and signage improvements were implemented in March 2019. A project to upgrade Minos Conaway Road with five-foot shoulders, eleven-foot travel lanes, and turn lanes at SR 9 and Kings Crossing is included in the recommended transportation improvements to be implemented through the proposed Henlopen TID. This project is also proposed to include realignment of the curve and a ten-foot-wide shared-use path along the eastern side of the roadway. This project is not yet funded. A paving project is adding a right turn lane at US 9. Further action is on hold pending the completion of the Minos Conaway Grade Separated Intersection.

C-8: Study the feasibility of restriping two-lane sections of Savannah Road with a two-way left-turn lane

Status at beginning of 2021
COMPLETE

Status at end of 2021
COMPLETE

DeIDOT's assessment was completed with the report dated October 25, 2019. Providing a two-way left-turn lane is potentially feasible, but there are pros and cons to this idea. Implementation would involve more than striping. Input was solicited from the Working Group at the January 27, 2020 meeting.

The Five Points Working Group recommended that a two-way left-turn lane, if feasible, be extended north at least as far as Sussex Drive, because left turns to the school cause a bottleneck. Also, Savannah Road is a Historic Lewes Byway, and any plan must be coordinated with the Historic Lewes Byway Committee.

DeIDOT met with Byway Committee representatives. The Byway Committee intends to move forward with a master plan for Savannah Road that will consider whether a two-way left-turn lane should be provided. They are seeking funding for the master plan. This recommendation needs to be coordinated with Recommendation D-5: Develop concepts and estimates for filling all sidewalk gaps along Savannah Road between Lewes and Five Points.

C-9: Evaluate potential short-term safety and operational improvements at Route 9, Plantation Road, and Beaver Dam Road while longer-term improvements are under development

Status at beginning of 2021
COMPLETE

Status at end of 2021
COMPLETE

DeIDOT evaluated modifying the median to allow extension of the second westbound US 9 through lane west of the Plantation Road connector. This design would require extensive modifications to the Plantation Road Phase 1 project plans, causing delays to that project and potentially increasing property impacts. Rather than delay Plantation Road Phase 1, construction of which is scheduled to start in 2022, other short-term safety and operational improvements were completed in spring of 2020.

To better organize and direct westbound Route 9 traffic flow, overhead signs were installed on the northbound Route 1 left turn lanes and on westbound Route 9, and westbound Route 9 was restriped approaching the connector to Plantation Road.



US Route 9 after turning left from SR 1



US Route 9 approaching signal at Plantation Road Connector



Northbound SR 1 left turn lane signing

Direct access to Lowe's from southbound SR 1 may reduce traffic at US 9, Plantation Road, and Beaver Dam Road. Construction of this direct access is being pursued by DelDOT as part of the Plantation Road Phase 1 project maintenance of traffic. This new access will maintain traffic to Lowe's while a portion of Plantation Road is under construction.

DelDOT will be working with Lowe's to complete the direct access from southbound SR 1. See recommendation C-12.

C-10: Continue to improve traffic signal phasing, timing and coordination using real time monitoring and control technologies

Status at beginning of 2021

ONGOING

Status at end of 2021

ONGOING

This is a core function of DeIDOT Traffic and is done on an ongoing basis. Pre-emption improvements are in progress; see recommendation B-21.

C-11: Develop concepts and estimates for bringing roads in the study area to DeIDOT standard, including shoulders

Status at beginning of 2021

IN PROGRESS

Status at end of 2021

COMPLETE

At the January 2020 Working Group meeting, the Project Team asked Working Group members to clarify which roads this recommendation applies to: state system roads, subdivision streets, or both. Feedback received indicated the recommendation applied to state roads.

The Henlopen TID study addressed state-maintained roads in the TID area west of SR 1 and developed estimates for bringing them up to DeIDOT standard with 11-foot lanes and shoulders per functional classification. The main roadways east of Route 1 are in the CTP or are being studied by others.

C-12: Study access management opportunities along Route 1 in the study area, including potential connections between businesses

Status at beginning of 2021

IN PROGRESS

Status at end of 2021

ONGOING

This effort was initiated in 2020. Access management opportunities are investigated as part of development reviews. See recommendation B-5.

In 2020, DeIDOT pursued implementation of direct access to Lowe's from SR 1. Construction of this direct connection has been incorporated into the maintenance of traffic plan for Plantation Road Phase 1 construction. This direct connection will serve to maintain access to Lowe's when portions of Plantation Road are under construction. The connection will continue to provide direct access to Lowe's after the project is complete. Plantation Road Phase 1 is scheduled to start construction in 2022. An agreement between Lowe's and DeIDOT was executed in 2021 to provide access to Lowe's to Route 1 through the Lewes Transit Center property.

Sussex County is actively pursuing interconnectivity in all commercial projects along Route 1, therefore this recommendation has been classified as ongoing.

C-13: Study the feasibility of eliminating unsignalized crossovers on Route 1

Status at beginning of 2021

Longer-term

Status at end of 2021

Longer-term

This recommendation refers to crossovers between Five Points and SR 24.

C-14: Study the feasibility of installing a “YOUR SPEED” display on southbound Route 1 at Nassau Road

Status at beginning of 2021

To be initiated

Status at end of 2021

COMPLETE

Area legislators supported the installation of this sign using their Community Transportation Funds. The radar speed sign was installed August 18, 2021.

C-15: Study the feasibility of lengthening the southbound acceleration lane on Route 1 at Minos Conaway Road

Status at beginning of 2021

COMPLETE

Status at end of 2021

COMPLETE

Construction was completed in spring of 2020 to channelize and lengthen the acceleration lane from Minos Conaway Road onto southbound Route 1.



C-16: Study the feasibility of providing driveway access from Beacon Middle School and Love Creek Elementary School onto Mulberry Knoll Road

Status at beginning of 2021

Longer-term

Status at end of 2021

To be initiated in 2022

It is appropriate to study this when the SR 24 project construction is completed in 2022.

C-17: Conduct capacity analyses at study area intersections to identify the need for turn lanes

Status at beginning of 2021

Longer-term

Status at end of 2021

Longer-term

C-18: Improve lane markings and signs at identified intersections: Five Points, Dartmouth Drive/Kings Highway, Plantation Road/Beaver Dam Road

Status at beginning of 2021

Longer-term

Status at end of 2021

Longer-term

Immediate maintenance concerns are being addressed in the short term.

C-19: Study the feasibility of an all-way STOP at Beaver Dam Road and Kendale Road

Status at beginning of 2021

COMPLETE

Status at end of 2021

COMPLETE

Eight reportable crashes occurred at the intersection over the three years from March 2015 – March 2018. Based on the crash type, an all-way STOP may not be an appropriate countermeasure, especially with the curvature of the roadway and potential to increase rear-end crashes. A roundabout was studied but is not adequate for 2045 traffic. The Henlopen TID study recommended a traffic signal by 2045; it will be installed when a signal warrant is met.

C-20: Study the feasibility of replacing the HAWK signal with a full signal at Holland Glade Road, potentially with a fourth leg at the outlets

Status at beginning of 2021

COMPLETE

Status at end of 2021

COMPLETE

In conjunction with development of Coastal Station east of Route 1 at Holland Glade Road, the HAWK signal will be removed and replaced with a full signal and a four-way intersection. The intersection is now in final design.

Category D – Make walking, bicycling, and transit more viable as alternatives to driving

D-1: Study the feasibility of a hop-on, hop-off van or jitney service loop for Lewes similar to free service in Cape May (Five Points, hospital, Lloyds Grocery Store, downtown Lewes, Library, Lewes Beach, Ferry, State Park, etc.)

Status at beginning of 2021
IN PROGRESS

Status at end of 2021
IN PROGRESS

The Route 204 is DART's primary fixed route transit service in the project area, with direct service to downtown Lewes, serving many popular destinations e.g. Villages of Five Points, Beebe Hospital, downtown Lewes, Johnnie Walker Beach and the Cape May-Lewes Ferry. The Route 204 provides service every 30 minutes from the Lewes Transit Center to Lewes and the Ferry. It operates from 6:00 am to 11:00 pm year-round Monday through Saturday. During beach season it operates from 6:00 am to 2:00 am seven days per week. The Lewes Transit Center allows customers to make connections to other DART fixed route services and access other locations throughout Sussex County.

Route 204 Ridership for 2021





Average Beach Bus (May - Sept.) Ridership

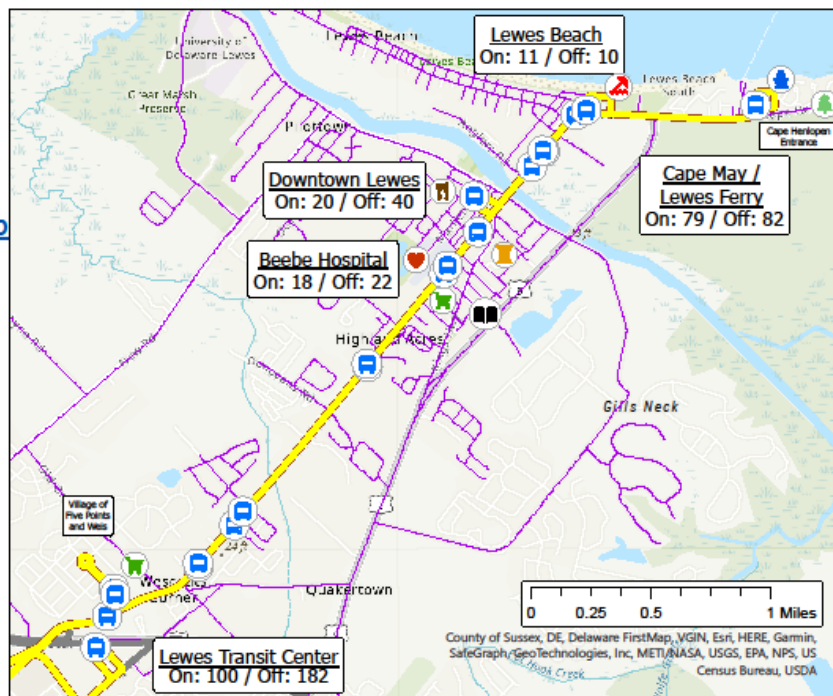
297 riders per Weekday
187 riders per Saturday
126 riders per Sunday

Average Year Round Ridership

99 riders per Weekday
90 riders per Saturday

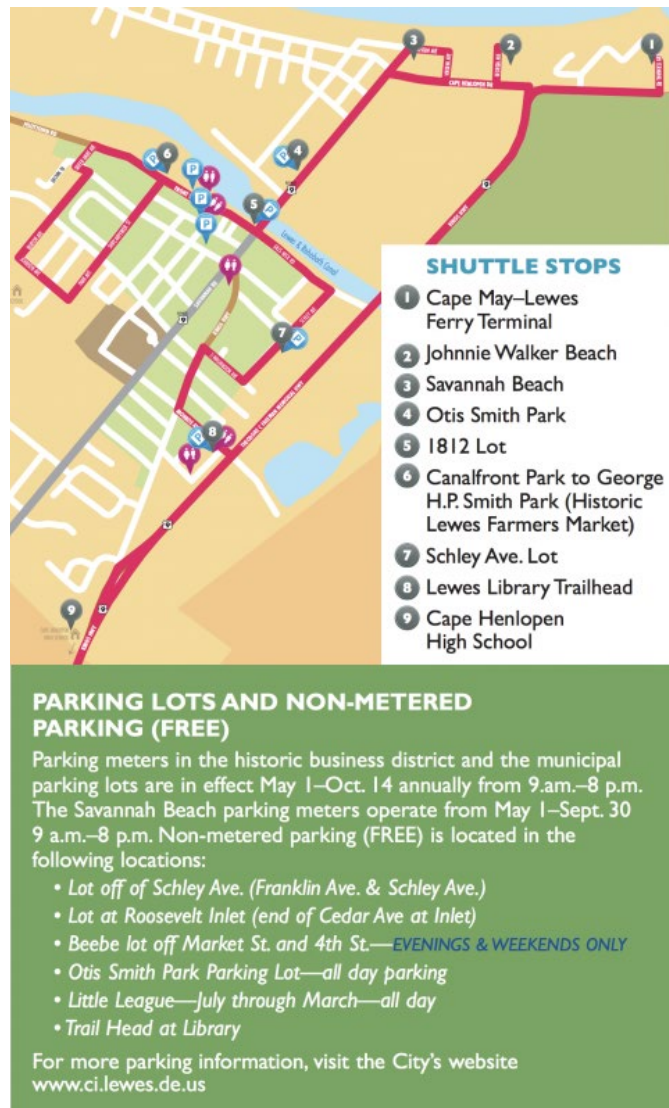
Legend

-  Route 204 Bus Stops
-  Route 204
-  Other Bus Routes
-  Roadways



Parking will continue to be free at both the Lewes Park and Ride and the Rehoboth Park and Ride. Bus fares are paid upon boarding. One-way base fare is \$2.00; reduced fare for seniors is 80 cents. Daily, 7-day and 30-day passes are available that provide unlimited rides. Fares can be paid using the DART Pass App. Bus stop and route information as well as real-time bus tracking is available on the DART Transit App.

In 2021, DTC collaborated with the City of Lewes and provided them with small cutaway (paratransit sized) buses for a nominal fee of \$1/year per bus for use in 2022. Called the “Lewes Line,” the seasonal transit program will be operated by the City of Lewes, and transport residents and visitors to designated key locations throughout the city including the Cape May Lewes Ferry, Johnnie Walker Beach, Savannah Beach, Otis Smith Lot, Market Street, George H.P. Smith Park, Schley Avenue Lot, Lewes Library/Trailhead, and Cape Henlopen High School (on weekends when school is in session). The purpose is to alleviate parking and traffic congestion on city streets, help with parking challenges throughout the city, and provide increased circulation to services and businesses. The Lewes Line will begin service on Monday, May 23, 2022, and will operate 7 days a week through September 30, 2022, from 9 am to 9 pm every 30 minutes and cost \$1 cash only.



DTC also received a federal grant to pilot on demand micro transit (DART Connect) services in the Georgetown and Millsboro areas. DART Connect has been operating since April 2021, the first month was free and on May 12, 2021, a fee was instituted. The pilot is still being evaluated and average ridership is approximately 70 - 80 rides per weekday. Based on the success of the pilot, this type of service will be further evaluated to determine if it is a feasible service delivery option to serve additional markets better suited for micro transit, including Lewes, rather than traditional fixed route services for other areas in Sussex County, and statewide.

D-2: Study the feasibility of potential connections for walking and bicycling between existing neighborhoods, along streets, and to trails

Status at beginning of 2021

To be initiated

Status at end of 2021

IN PROGRESS

DeIDOT initiated a study in 2020 to explore the feasibility of developing pathways or other forms of low-stress bicycle routes parallel to SR 1. But that study has a specifically defined scope and a defined geography, only partially within the Five Points area. In addition, the Henlopen TID studied and proposed pathways along many state-maintained roadways in the Henlopen TID area.

The Five Points Working Group recommended that the study for recommendation D-2 should include interconnectivity between the Georgetown-Lewes Trail and Savannah Road.

D-3: Develop design guidance to separate pedestrians and bicyclists from highway traffic using aesthetic treatments

Status at beginning of 2021

Longer-term

Status at end of 2021

To be initiated in 2022

DeIDOT Planning is evaluating different policies for design and separation of bicyclists and pedestrians along roadways. Along with other transportation agencies, DeIDOT is waiting for an imminent update to the *Guide for the Development of Bicycle Facilities*, published by the American Association of State Highway and Transportation Officials, which should provide some new robust design guidance and a new framework for balancing bicyclist/pedestrian needs with traffic needs. DeIDOT hopes to align its efforts with this guidance when it is released. DeIDOT has begun updates to the Complete Streets Implementation Plan which will include guidance for bicycle and pedestrian facilities.

D-4: Develop concepts and estimates for filling all sidewalk gaps along New Road and Old Orchard Road

Status at beginning of 2021

IN PROGRESS

Status at end of 2021

IN PROGRESS

Portions of these sidewalks will be built by current CTP projects on Old Orchard Road and the SR 1/Minos Conaway Road grade separated intersection project, as well as by developer projects.

The New Road Master Plan will identify remaining gaps on New Road. A gap remains on Old Orchard Road between the Trail and New Road. DeIDOT will inventory remaining gaps in FY 23.

The New Road Corridor Master Plan final report identifies proposed facilities for walking that consist of a shared-use path in some portions. The final report can be viewed at <https://www.delawaregreenways.org/wp-content/uploads/2020/09/New-Road-Master-Plan-FINAL.pdf>

The New Road Master Plan recommended sidewalks only east of Park Road. West of Park Road, the recommended concept for pedestrian mobility is a shared-use path on one side of New Road rather than sidewalks. The path is on the south (eastbound) side of New Road in the area of the SR 1/Minos Conaway Road project, and on the north (westbound) side of New Road along the Tower Hill development buffered from the road by developer landscaping. East of Schaffer Lane/Canary Creek Drive, the shared-use path again shifts to the south side of New Road, including a crossing of the Canary Creek bridge. At Park Road, the shared-use path would change to a combination of bicycle lanes and sidewalk on one side, extending to Pilottown Road. In the section between Park Road and 4th Street, sidewalks on both sides may be an option if a bioswale is not implemented in that section. The Black Hog Village commercial development will be considering sidewalk along the south side of New Road at their development.

Connecting the Tower Hill development shared-use path with the Lewes Preserve development requires that the shared-use path traverse across two frontage lots that are not part of either development. DelDOT is working on getting Tower Hill to extend the shared-use path to Schaffer Road.

At present there is likely to be a gap in the shared-use path east of the Canary Creek bridge project to approximately Forecastle Road, which is 400 feet before Park Road. The scope and extent of the bridge project still needs to be confirmed internally within DelDOT, as a portion of this segment is likely to be outside the limits of a bridge replacement effort. This section would also traverse through wetlands and other drainage as an elevated boardwalk unless there is another crossing scenario to the other side.

DelDOT is working to fill gaps in the path along with any traffic calming needed for crossings via the Development Coordination Section, with assistance from the City of Lewes and Sussex County as they approve the site plans, and with DelDOT's Bridge Section.

D-5: Develop concepts and estimates for filling all sidewalk gaps along Savannah Road between Lewes and Five Points

Status at beginning of 2021
IN PROGRESS

Status at end of 2021
IN PROGRESS

The Savannah Road Sidewalk project started construction November 1, 2021. It places sidewalks on the south side of Savannah Road from Quaker Road to the Georgetown and Lewes Trail. The Old Orchard Road relocation project will add sidewalk in the project limits. DelDOT will inventory remaining gaps in FY 23 and report to the Byway Committee. This item will be coordinated with C-8, a feasibility study of a two-way center left turn lane on Savannah Road.

D-6: Study the feasibility of pedestrian bridges over Route 1 at specific locations

Status at beginning of 2021
To be initiated

Status at end of 2021
IN PROGRESS

DelDOT is leading this project. Initial candidate locations have been identified: the Five Points intersection area, the Lewes Transit Center area, and near Rehoboth Outlets (Surfside). Further evaluation, including public input, will be conducted by DelDOT Planning, and coordinated with the SR 1 Low-Stress Bikeway Study. This recommendation will be coordinated with recommendations D-2 and D-10.

D-7: Study the feasibility of transit service to tie the Milton/Red Mill Pond/Minos Conaway Road area into the transit network

Status at beginning of 2021

IN PROGRESS

Status at end of 2021

IN PROGRESS

DTC will continue to service Milton with the Route 303 but will look at ways to possibly improve service with the Transit Redesign Study, "DART Reimagined," which should be awarded in the summer 2022. Current demand and density are low, but the area will be kept in consideration for micro transit (DART Connect). Also, DTC is continuing to look for opportunities to improve service and will continue conversations with the Town Mayor and community officials.

D-8: Study the feasibility of a park and ride lot on Route 24 at the edge of the study area

Status at beginning of 2021

To be initiated

Status at end of 2021

IN PROGRESS

DTC is continuing to seek partnerships with businesses along SR 24 to create a Park and Ride that will be convenient for bus riders and advantageous to their business partners.

D-9: Identify potential connections to and from the Lewes Transit Center

Status at beginning of 2021

IN PROGRESS

Status at end of 2021

IN PROGRESS

DelDOT Planning is coordinating with design of existing projects (Plantation Road, Old Orchard Road realignment), and is being opportunistic about developing pathways from the trail towards the Transit Center under DelDOT projects that are already programmed to do significant work in this area.

Potential connections to and from the Lewes Transit Center will be examined as part of the SR 1 Low Stress Bikeway study which got underway in fall of 2020.

D-10: Study the feasibility of a barrier in the median of Route 1 to deter pedestrian crossings at inappropriate locations

Status at beginning of 2021

To be initiated

Status at end of 2021

IN PROGRESS

Evaluations are being conducted in conjunction with recommendations D-2 and D-6.

D-11: Study the feasibility of providing shelters at bus stops - Context Sensitive i.e. cottage beach style shelters

Status at beginning of 2021

IN PROGRESS

Status at end of 2021

COMPLETE



Example of DART's current standard bus shelter

DTC has a new standard style shelter that is used statewide and intends to use this in the Five Points area. The shelters are attractive and have LED lighting. The shelter at the Lewes Transit Center has a sign with real-time bus arrival information. Installing a shelter costs \$8,000 plus any site work. Maintenance costs about \$1,000 per shelter annually, including trash collection, weekly pressure washing, snow removal, etc.

Seven bus shelters were installed in 2021. At year's end, DTC was coordinating with the City of Lewes for a shelter and all necessary amenities at a stop at Savannah Road and Third Street, which is outside the Five Points study area.

DTC intends to continue to improve bus stops and install shelters at stops that meet the ridership standard and have enough physical space. DTC has completed its study of the shelter style and Recommendation D-11 is now Complete.

D-12: Identify publicly- and privately-owned land in the study area that may be used for trails

Status at beginning of 2021

Longer-term

Status at end of 2021

Longer-term

D-13: Identify locations in the study area where bike parking can be provided

Status at beginning of 2021

Longer-term

Status at end of 2021

Longer-term

This recommendation will be coordinated with recommendation B-22: Require bike parking as a condition of certain new developments.

D-14: Study the feasibility of signing and/or pavement markings that will improve bicyclist comfort turning left from Dartmouth Drive onto Route 1

Status at beginning of 2021

COMPLETE

Status at end of 2021

COMPLETE

A bike box is not feasible at Dartmouth Drive. Bicyclists may cross SR 1 with pedestrian signals. Additional safety measures may be considered as part of the Kings Highway CTP project, which includes this intersection.

D-15: Study opportunities for pedestrian crossings on Kings Highway and Freeman Highway

Status at beginning of 2021

IN PROGRESS

Status at end of 2021

IN PROGRESS

Signs were installed in May 2018. Pedestrian crossings of Kings Highway were provided at the signal at Clay Road. Improved pedestrian crossings are planned to be installed at the signal at Kings Highway and Gills Neck Road in 2022. By agreement between a developer, the City of Lewes, and DelDOT, a new signal will be installed at Freeman Highway and Monroe Avenue which will have at least one crosswalk across Freeman Highway.

Additional pedestrian facilities may be included with the Kings Highway CTP project as proposed by the Kings Highway/Gills Neck Road Byway Master Plan. The Kings Highway CTP project has started and a public meeting is planned in February 2022.

Rectangular Rapid Flashing Beacons (RRFB) are installed at the trail crossing of Freeman Highway near Cape Henlopen Drive, and were confirmed to be operational on 12/30/2021.

Pedestrian crossings may also be studied by DelDOT Traffic or the Delaware River and Bay Authority (DRBA) as part of their ongoing work. For example, DelDOT received a request in 2019 from a resident for an improved pedestrian crossing of Freeman Highway at Monroe Avenue at the Library. This portion of Freeman Highway, between Kings Highway and Cape Henlopen Drive, is maintained by DRBA.

Category E – Invest in new infrastructure to support anticipated growth

E-1: Study the feasibility of a grade separation at Five Points

Status at beginning of 2021

Longer-term

Status at end of 2021

Longer-term

This effort will depend on the results of studies under recommendations A-7, E-2, and E-3. Additionally, the shorter-term improvements and CTP projects will impact the scope of the study. DeIDOT has reviewed prior GSI studies and is developing a strategy for initiating a new study.

E-2: Evaluate the potential transportation benefits, costs, and impacts of a new road parallel to Plantation Road connecting Mulberry Knoll Road to Route 9; require any new development in this area to build this road to state specifications one parcel at a time

Status at beginning of 2021

IN PROGRESS

Status at end of 2021

IN PROGRESS

An extension of Mulberry Road from its current end at Cedar Grove Road to US 9 was recommended by the Henlopen TID study. DeIDOT has initiated an independent planning study to advance this effort. Inventory and mapping of wetlands and historic resources is underway. Opportunities for public involvement will be provided during the study process. This project is a candidate for the FY 23-28 Capital Transportation Program. CTP hearings were held in September 2021. A public workshop was held October 26, 2021. Coordinate with recommendations A-7 and E-3.

E-3: Develop a plan for grid road patterns where land is available, working with property owners and developers, including a series of roads that connect Route 9, Route 23, and Route 24 between Plantation Road and Dairy Farm Road

Status at beginning of 2021

IN PROGRESS

Status at end of 2021

IN PROGRESS

New road connections have been recommended by the Henlopen TID study. The TID identified grid connections, but only between Plantation Road and Mulberry Knoll Road. The County Master Plan requires connections related to US 9 when large parcels are developed along the corridor. Coordinate with recommendations A-7 and E-2.

E-4: Evaluate the potential transportation benefits, costs, and impacts of a new road connecting Route 1 north of Five Points and the Vineyards

Status at beginning of 2021

Longer-term

Status at end of 2021

To be initiated in 2022

E-5: Look at east/west traffic as a system: Minos Conaway (starting at Route 9), New, Old Orchard, and Clay Roads

Status at beginning of 2021

Longer-term

Status at end of 2021

Longer-term

E-6: Study the feasibility, benefits, costs, and impacts of potential service roads along Route 1, including whether narrowing the median would facilitate provision of service roads

Status at beginning of 2021

Longer-term

Status at end of 2021

Longer-term

E-7: Evaluate the potential transportation benefits, costs, and impacts of a new through road connecting Postal Lane with the intersection of Old Landing Road/Airport Road

Status at beginning of 2021

IN PROGRESS

Status at end of 2021

IN PROGRESS

Airport Road extension from Old Landing Road to SR 24 is in progress. A project is programmed in the CTP and design will begin in 2025.

The extension of Airport Road from SR 24 to Postal Lane is recommended by the Henlopen TID study, but there is no project at this time.

E-8: Evaluate the potential transportation benefits, costs, and impacts of a new road to connect Route 24 near Beacon Middle School with Old Landing Road near Arnell Creek

Status at beginning of 2021

Longer-term

Status at end of 2021

Longer-term

E-9: Revisit and consider feasibility of recommendations from 2003 SR 1 Land Use and Transportation Study

Status at beginning of 2021

Longer-term

Status at end of 2021

Longer-term



Most recommendations of the 2003 SR 1 Land Use and Transportation Study are either already completed, part of a current DelDOT project, or recommended by the Five Points Working Group (A-6, B-1, B-3, C-3, C-10, C-12, and E-1).

